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THE READERS WRITE. First from TIM HENDEL (AL):

There is a company called Arkenstone. They manufacture reading machines for blind people. They have just come out with (or are about to) a combination of products called Atlas Speaks and Strider. Atlas speaks is a huge data base on CDROM having every street in every city and town in the US. If you punch in your town, and your street address, you can use the arrow keys to "walk" up and down the streets and know what is at each intersection.

Strider adds a portable GPS [Global Positioning Satellite] receiver and computer to the Atlas Speaks data base, so you can walk around with this thing in a back pack, and it will tell you what direction you are walking, what is ahead of you, and if you are on course for the destination you have programmed into your computer.

I have not tried out Strider, but I did try Atlas speaks, typing in my address in Miami, my my new address in Huntsville, and my Grandmother's old address in Rochester. In each case, it told me all about the streets in the surrounding area.

[THE DRAKE PRN-1000] I have been intrigued by the Drake PRN-1000 receiver which Chuck Harder has been announcing on the For The People program. When I first heard about the PRN-1000, I thought it might be a modified SW-8. Calls to For the People, Universal Shortwave, and R.L. Drake itself convinced me that the PRN-1000 was not a stripped down SW-8, but something entirely new. This I had to see! I wondered what Drake would do in the way of a customized receiver when they were asked to produce only about 2000 units. Chuck Harder describes the receiver as a "[illegible]!" In my opinion, it's not!

The PRN-1000 arrived in a good firm box. Opening the box revealed a metal cabnet about the shape and size of my Lowe-225. There was an out-board 12 volt DC power cube, a stereo walk-man type headset, and a coiled up length of wire, which could be used as a random wire antenna. I did not open the package with the headphones, and did not use the antenna. I didn't want to disturb these items, in case I decided to return the receiver.

FEATURES: This is a bare-bones receiver: no memories, no variable band width, no SSB or synchronous detection. No record out jack, and only two screw terminals for antenna and ground. So what! If you want a receiver for program listening, and you want it to be simple, maybe you don't need these things - especially if the basic electronics which you do get perform well. In my opinion, they don't.

PERFORMANCE: The receiver easily overloads. I used a random length of wire, about 100 feet long, and only 10 to 12 feet off the ground. Even during the day, I had to use the DX/Local switch and put it on the "local" position. Putting the switch in "DX" caused a lot of hash in the background, while putting it into "local" reduced the hash, but increased receiver noise. At night, most reception was fairly good with the switch in "local." (As you would expect.)

As stated, there is no choice of band width filters. The manual says that the band width is 5.5 kHz. I don't know how that was measured. When a station was strong, it was usually heard fairly loudly 5 kHz away. The stations seemed to "spread" more below the nominal frequency than they did above it. At about 13:00 UT, when BBC via WYFR on 9590 is very strong here, its sound disappears when you tune to 9600, but still can be heard on 9580. In fact, Australia on 9580 is completely wiped out.

The keypad has rubbery keys which don't give you a solid feel, and don't seem to make good contact unless you press them fairly hard. On more than one occasion, I entered a frequency, only to have the radio go somewhere else. I had to enter the frequency again. [This reminds me of the crummy remote control used with my Drake ESR1124 satellite rx. Even cleaning it doesn't help much - lc.]

There is a tuning dial, which moves in either 1 or 5 kHz steps. As you turn the dial, the steps are so close that it seems a mere touch of the dial sends the receiver scurrying off, even when the 1 kHz steps are selected. I found this dial to be almost useless. You also have "up" and "down" buttons, which step in 1 or 5 kHz steps. They work fine, though there is a lot of "chuffing" as the receiver changes frequency.

As I mentioned, the receiver has no memories. It has two pseudo-memories. There is a button which is marked "prior". Pressing this button toggles between the current frequency and the last frequency tuned, thus giving you two temporary memories between which you can switch back and forth.

The speaker appears rather small, though the sound was quite pleasant. There is a walkman-

type headphone jack, wired for stereo. When listening to the set through headphones, the sound is pleasant and fairly robust, though on strong signals a low-pitched rumble can be heard. I suspect that this is the sound of the synthesizer, Though I don't know for sure. You can record from the headphone jack, of course, but it mutes the speaker. There is no record jack.

At several places along the tuning range of the receiver (100 kHz to 30 MHz, no FM) I experienced RF interference from local FM stations, even though I am in a location where I do not experience this interference on any other radios which I have tried.

Just 24 hours of testing were enough to convince me that I did not wish to keep this radio. Overload, poor selectivity, and unreliable keypad are the main reasons why I do not recommend this radio. I think a Sony ICF-2010, ICF-SW7600G or Sangean ATS-803 or 818-CS (Realistic DX-440 or DX-392) are much better buys, at about the same price or less.

The PRN-1000 costs $299.95, plus shipping and FL tax, if applicable. I phoned For The People to tell them I wished to return the radio. They were very courteous, and told me just to send it along. They did not require a "Return Authorization" number. I did not ask them if there was a restocking fee, or if my shipping cost would be refunded. I'll let you know what kind of refund I get.

A bare-bones, high performance program listening only receiver, made in USA, may be a worthwhile goal, but the PRN-1000 does not achieve it. I do not recommend this receiver.

Well, Tim, this seems like a pretty sorry radio for $300. And we're rather surprised that a device of Drake manufacture would be so pathetic. There is no reason why a "no frills" little rx couldn't be produced at this price, considering the state of today's technology, that would give quite acceptable SWL performance. As I've said before, schlock rx's, sold to a largely unsuspecting public, can only give SW listening a black eye. They'll be listened to a bit ("So this is shortwave? Ugh.") and then discarded.

THE FOLLOWING OBSERVATIONS are from MICHAEL J. HEWINS (WA)

LIVING WITH THE RADIO SHACK DIGITAL SIGNAL PROCESSOR (21-534): Hand over $50 close out price, but remember there is no free lunch. Minimum power needed is 500 MA/12 VDC, so pick up R.S. adapter #273-1652C at $11. If your headphones are stereo, get a mono adapter as well. Now, take unit home.

Though R.S. got you for the adapters, they screwed up and included home and auto. cables (1/8") and a mobile bracket. I inverted the bracket and it angles nicely at a 40 deg. angle over my radio, so all controls fall readily to hand.

Initial improvement is marked at first, but your ear rapidly gets used to the effects and you'll find yourself constantly tweaking with the filters and bandwidth. I like this, but some may not.

Medium and Wide N.R. (Noise Reduction) & SSB are the settings I most in either mode (there are no right or wrong settings). The Narrow filter is too drastic for me 80% of the time, but will work as a method of last resort to hear a broadcast important to you. CW setting has no usefulness for me.

For SW, SSB-Med. allows me to listen to World of Radio when broadcast on erratic RFPI. NR-Wide allows the most fidelity, but is also the noisiest setting, (reduction, remember?).

I also turn the DSP off on clear signals or when its fighting with the Synch. Detector on my 7600G, and/or when I choose not to use Synch.

The amplifier (5 W - claimed) will drive an external speaker, and I use a Design Acoustics PS-CV on strong signals, but go with the DSP's built in speaker on weak sisters, as the amp and monitor tend to reproduce too much bass of marginal signals.

Final impressions are not yet formed, as I think the narrow and CW components can be improved. Had I paid the original $80 plus adapter prices, I'd probably have returned it. But at $50, it's useful enough to squeak by and it was a low buck solution to the puny 400 MW output of the Sony. Increased amp/output is especially nice when monitoring SSB, but the DSP is not a Notch Filter. Noise reduction is its function and it does it well enough, but is no threat (or alternative) to the offerings of Grove, MFJ or JPS

GRUNDING YB 305/R.S. DX 375/ PASSPORT TESTS - OBJECTIVE?

My suspicions were first raised when I noted both run on 2 C cells (unusual). Lettering style and script the same. Feature by feature duplicated, excepting the YB's ext. ant. jack and re-set button on front panel instead of battery compartment, ala the DX 375.

I bought both radios (with return privileges) and tried them side by side. Perceived difference with built in whips and outside longwire negligible. Both units are made in China and I suppose Grundig specifies different design parameters, but these two radios struck me as more than kissing cousins.

PASSPORT 96 raves about the 305's weak signal sensitivity, rating it at #3 out of a field of 12, trailing only the Sony 2010 and the Satellit 700. The DX 375 doesn't even make the list, though the ratty Sangean 800A ranks at #10. Why this is so defies my experience with either one.

These are both single conversion - average receivers. The YB has the ergonomic advantage and a well written manual, but at average discount of $130 as compared to the DX375's everyday price of $100 and sale price of $70, niceties rapidly disappear.

I returned both sets the following day and couldn't recommend either one. If you're shopping in this price range, the Sangean 808 has been priced as low as $100 (Tucker Electronics) lately and is superior to the other two, regardless of PASSPORT's increasingly questionable recommendations.

SANGEAN 800/800A/R.S. DX370: an afterword:

Will Martin (MO) is right when he characterizes this radio as one of the worst SW's ever made. However, I had experience with both versions and there are a couple of pluses.

I found AM-DX capability of this radio to be very good. I tuned stations from Calgary to LA and inland to Colorado, Utah, Wyoming and Nevada. FM reception in my area was commendable, with better than average fidelity for this compact size class receiver. The button pre-sets and scan are a helpful aid in AM/DXing. ["AM" here = "Broadcast Band" (Medium Wave).]

If you want to chase someone like Art Bell (I caught 6 different stations) from city to city, this radio at $30 is an OK buy. FM reception in home, car, or walking is good, but drop any expectations of SW performance unless you live near the transmitter.

TURNING NOW FROM THESE LESSER EXCUSES FOR A RADIO MENTIONED SO FAR, some attention must be given to a much talked about recent entrant into the SW receiver marketplace, the AOR AR7030. (Info via JOHN T. WAGNER (OH), who remarks: "When the reviewers say 'some will hate it, some will love it', what they really mean is 'gender gap'. The young computer types may love it, the older gray-beards will not. The computer will win sooner or later, but not this year.")

"ARGUABLY THE BEST RECEIVER AVAILABLE...FOR SOME", SAYS RECEIVER GURU LARRY MAGNE (IN MT), THO' THAT "SOME" APPEARS TO INCLUDE ANYONE WITH AROUND 1.3 KILOBUCKS TO SQUANDER ON A RADIO. BUT IN THE PARLANCE OF COMMENDATION THAT WOULD HAVE BEEN USED FOR A RADIO IN THE 1930'S, IT'S SURELY A "SWEET PATOOTE".

The 7030, the brainchild of John Thorpe, late of Lowe and designer of the HF-225, is the first product to come from AOR's operation in the United Kingdom, tho' AOR is hardly a newcomer to the scanner/SWRx scene, having offered such units as the "DC to Daylight" AR3000A and AR5000 and the generally commendable AR3030 HF unit. But the 7030 is intended to be a step above anything, for HF use, the company has previously offered. And that objective appears to have been realized. (Tho' I'm not at all impressed by the appearance of these boxes that to me just don't look like SW radios, but that no doubt comes from my concept of such a device having been formed in another era.)

According to the manufacturer's propaganda, "bells and whistles" aside, the re- receiver excels in those areas in which a receiver ought to excel: RF dynamic range, sensitivity and selectivity. Input intercept is claimed to be +35 dBm with preamp off and +25 dBm with preamp on, the latter achieved with a sensitivity (uniform?) of .5 uV for 10 dB SNR in the AM mode and .3 uV in the SSB mode. RF dynamic range, as expected, improves through successively narrower bandwidths - same with sensitivity - so IP3 and sensitivity figures are probably @ 500 Hz. Unless one is fortunate enough to have an extremely quiet listening location, the achievement of extremely low sensitivity figures is of no advantage. Anything of 2 uV or under is generally more than adequate. Dymanic range (prevention of overloading), spurious responses and synthesizer noise are much greater problems to be overcome in todays receivers than the achievement of adequate sensitivity. Frequency synthesis has produced frequency stability of such an order that only in real "cheapies" is "drift" of any degree likely to be encountered. Those who have used only today's better receivers would not have encountered the mechanical and thermal stability that afflicted all but a few of the best vacuum tube receivers.

The 7030's frequency range is 0 to 32 MHz, remaining functional to the lowest frequency. There is frequency readout to 10 Hz. Again, there is no indication as to uniformity of sensitivity or dynamic range, tho' it's virtually universal that receiver sensitivity is reduced on medium wave and long wave, to the point of being very insensitive on the latter. RF amplification/attenuation is provided in steps (dB) of +10, 0, -10, -20, -30, -40, tho' it is claimed dunamic range is do good

attenuation is not likely to be needed. (In regard to the IP3 figure it is not indicated whether the excellent figures yielded are at 20 or 50 kHz signal spacing, the latter providing better figures.) The strong signal handling capability is attributed to a "lateral DMOS FET QUAD first mixer running at 15 volts, relay (not diode) switching in the front end and the use of shielded inductors throughout the signal path."

The up-conversion (of course) receiver has a first IF or 45 MHz and a second IF of 455 kHz. "The IF filters are self-aligned by the receiver using advanced microprocessor control ensuring 'spot on' alignment and symmetry of passband characteristics essential for serious ECSS [i.e., heterodine detection listening, this receiver providing synchronous heterodyne detection]. The main PCB will accept a number of different filters, including Murata and Collins, all...self aligned! The on-screen [LCD] displayed filter bandwidth is not hard written into the microprocessor code but is actually 'measured' by the receiver under microprocessor control permitting various displays such as 2.2 kHz, 2.3 kHz, 2.4 kHz, 2.5 kHz etc. depending upon the particular filter fitted....

All functions of the receiver are controllable via the REMOTE port.

The receiver comes equipped to accomodate all reception modes: USB, LSB, CW, AM, Synchronous AM, NFM and DATA with reception claimed (how good?) down into the VLF range. Standard with the receiver are IF filters of these bandwidths (kHz): 2.2, 4.5, 7, 10, with two optional filter accomodations available (for, e.g., CW filters). Filter shape factor is not indicated, these figures being at the nominal 6 dB points, tho' a high order of "ultimate selectivity" (at the 90 and 100 dB points) is claimed).

Other features are a passband tuning range of +/-5 kHz and variable BFO pitch for CW and data reception. For AM (i.e., as distinct from SSB) reception the receiver employs what is described as "a new 'variable bandwidth synchronous detector'" which will eliminate "the effects of transmitter/-receiver drift as well as reducing distortion [caused by] selective fading. The pass band tuning may be used in synchronous AM mode to select synchronous USB, LSB, DSB or anything on between." Persumably this means one may "zero beat" (for purposes of the most desirable frequency response and elimination of interference) any portion of the received signal that one desires.

The AGC response is claimed to be tailored to provide the best reception quality on SSB signals. With my "low performance, antique" ICOM R70, I always use delayed AGC when using the SSB reception mode for suppressed carrier or full carrier signals (prevents "pumping"). Audio output is rated at 2 watts with, as expected, with good audio quality when operated in synchronous detector/SSB modes. (Magne says "excellent to superb", but he said similar things about the old Drake R7 with its "synchrophase detector".) But for how many more years will it matter, for digital transmission shall reign over all.

Control buttons/knobs on the receiver appear minimal, the remote control being required to activate receiver functions with some expediency. Give ME a front panel festooned with all manner of knobs and switches to be manipulated to extract from the receiver every bit of controllable performance of which it is capable. Of courses, with receivers becoming so small, there isn't much room for many controls.

"The receiver is built around a TXCO frequency standard which provides the reference for all circuitry ensuring the ultimate in stability [what is the "ultimate"? 0 Hz drift, presumably, but as mentioned previously, for all practical purposes, with any decent modern receiver, problem producing frequency drift is pretty much a thing of the past] and optimum alignment. Single loop DDS provides clean local oscillator reference essential for low reciprocal mixing levels and seamless tuning in approximately 2.7 Hz steps (no tuning 'plops' at regular intervals)."

The receiver is housed in an all metal - including the front panel - aluminium cabnet.

These are some of the highlights of what appears to be an outstanding receiver, a bit of a step above the commendable Drake R8A, at a not significantly higher price. Tho' receiving rave reviews I would be interested to see if the unit is to be tested by the ARRL for a review in QST. Tho' written from the Ham perspective, over the years, I've generally found the QST reviews of receivers more reliable than those appearing in SWL oriented publications. Of course they only review rxs intended for serious communications purposes, not the schlock portables, etc., we see even people like Magne bothering with. But, then, I suppose, anything that appears in the SWL marketplace has to have some notice taken of it, if for no other reason than a warning to stay away from it.

EXPLAIN THIS. Probably mentioned a while back that we picked up a couple of passable (for their day) VT rxs: a Hallicrafters S40A and a National NC57 (early version). And here is something I don't understand: one sunday afternoon I found RFPI coming in quite well on 15050 kHz on the S40A but was INAUDIBLE on the ICOM R71, the former being connected to an indoor length of wire and the latter to outside "longwire". WWV was audible on both rxs; disconnecting the aerial from the R71 resulted in a reduction of noise level, indicating that the receiver was amplifying, yet no RFPI. Other 19 meter signals were audible on both rxs. Am really at a loss to explain this.

LAST TIME WE MENTIONED what we thought was the possibility of having a Radio Shack DX-394 available for review purposes, but we could obtain no cooperation from RS in this regard, they suggesting that I buy one and return it for refund. So fuck RS. But thanks to JOHN NORFOLK we have a review:

RADIO SHACK DX-394 (John Norfolk, OK) Made in Japan, so not a Sangean (and thus not RS's version of the still unseen ATS 909). No tuning mute, which ruined the DX-390 for bandscanning. The tuning knob is, by far, the fastest I have ever used on a digital radio. At first glance, one might mistake it for a scanner, so don't be surprised if they are displayed with them (as it was at one store I visited). The Tandy Service Plan considers it a scanner, not a shortwave radio; it's $59.95 for five years.

Audio quality through its speaker is OK, but as I will be patching it through the stereo it doesn't matter that much to me. There is no tone control. There is a tape recorder output, which the manual claims to be for a microphone input, but I find it works into a high level input. I did try it through a microphone input but it didn't work.

Reception with the whip antenna is OK. There are two external antenna inputs, a Lo-Z with a PL-259 connector and a 20 db attenuator switch, and a Hi-Z with a RCA phone plug connector, which is not affected by the attenuator. Reception improves with an external antenna by about 2 S-units. Since I usually do not use an outside antenna I took the Radio Shack reel-type antenna, cut off the antenna clip, put on an RCA phono plug, stretched it across the room near the ceiling, and that works very well. I tried Radio Shack's amplified antenna, and found that works too, although there is occasional overloading. [That was written in early December and circumstances has since changed. There is now a 32-inch TV which, when operating (and I cannot control it), wipes out my shortwave and that has forced me to experiment with an outside wire antenna. So far, results have been good in eliminating, at least partially, the TVI.]

There is only one bandwidth for AM and LSB/USB, and the lack of a narrow bandwidth may turn out to be a major drawback, at least for AM. I found that the "CW1" and "CW2" bandwidths can be used for SSB, with 1 for LSB and 2 for USB, although they are too narrow for voice. For AM, I can get narrower bandwidths--although they are not as effective as they would be if built into the receiver--by using Radio Shack's Digital Signal Processor, but that degrades the audio. Besides, the DSP unit is no longer available. There is a key marked "NB" but that means noise blanker, not narrow bandwidth.

When entering a frequency through the keypad (the keys of which are very small), there is a "beep" and a disruption of the signal that the radio is already tuned to every time a key is depressed. The beep is audible even when the volume control is turned all the way down. The beep and the disruptions appear on the headphone and speaker outputs; neither are heard through the tape output. If you try to enter a fractional frequency below 10 MHz, such as 7233.5 (7-2-3-3-5), "Error" appears. However, for such frequencies above 10 MHz, such as 14255.5 (1-4-2-5-5-5) it will enter that frequency.

There are 2 24 hour clocks. The manual suggests that #1 be set to local time and #2 to Universal Time, but the five programmable timers are set to #1's time. There is no battery backup for the clock. The sleep timer has two options: 30 or 60 minutes.

There are 160 memories, awkwardly allocated as follows: 10 for longwave, 10 for medium wave, 10 for shortwave outside of the broadcast bands, and 10 each for the 120, 90, 75, 60, 49, 41, 31, 25, 21, 19, 16, 13 and 11 meter broadcast bands. If you enter a frequency in the 31 meter band on the keypad and then store it in the memory, it goes into the "SW" memory bank but if you enter the meter band and then tune to a frequency and store it, it goes into the 31 meter band memory bank. The radio includes a "replacement free" rechargeable lithium battery which keeps the memory stored for periods up to one month when the radio is unplugged or electrical power is off.

The fine tuning works in all modes. As you turn the control knob the frequency readout changes in 100 Hz increments, but it does tune finer than that. The readout seems to read about 200 Hz lower than it should in LSB, about 500 Hz lower in USB.

Frequency steps for the main tuning knob. Default settings are LW 10 kHz, MW 10 kHz, SW broadcast and ranges outside of the amateur bands 5 kHz, and amateur 1 kHz (exceptions are the 75 and 41 meter broadcast bands, which use the 1 kHz amateur spacing, unless you key in through the "meter" key on the keypad, and then it's 5). They can be changed manually to .1, 1, 5 or 10 kHz. MW steps can be changed to 9 kHz using the keypad when the radio is turned off. Be careful when you are using the knob. If you are tuning the 20 meter amateur band and you go above 14350, the steps change from 1 to 5 kHz and before you can say Glenn Hauser you're in the 18 MHz range. But if you punch in a particular meter band on the keypad and then use the knob, it tunes only within that meter band.

Frequency readout is in MHz for frequencies above 1700, continuing that particular Radio Shack tradition (their only digital frequency radio that I know of that used kHz was the DX-400). However, the legends "MHz" and "kHz" do not appear on the display other than "kHz" for describing the step increments. The display light can be dimmed but when you turn off the radio is does not go completely out, acting as sort of a "night light."

Nowhere on the front panel does it say "Voice of the World."

Arnie Coro would love this radio department: When entering a frequency such as 6000 kHz all you have to do is press freq, 6 and enter. (But that's still no excuse for Charlie Oscar 2 King Klutz for choosing lousy frequencies for his station.)

The manual contains no station list, which is just as well as Radio Shack manuals during the

past two decades or so all used the same one. The manual does make references to Radio Moscow and Radio Peking. It also says that the ARRL Amateur Radio Handbook is available from Radio Shack, although I have yet to see one at any Radio Shack. Perhaps that too is a holdover from years ago, although it may eventually become available through their new special order service.

Another apparent holdover is the standby on the selector switch. The last time I saw one was on the DX-302. In standby, the receiver is muted and all tuning controls frozen. There is a lock function, which does the same thing except mute the receiver. It is not a power lock, it simply disables the tuning knobs and all keys except power and lock to stop accidental frequency changes.

There is overloading but I can't tell if it is characteristic of the radio or due to the fact that it is surrounded by a lot of electronic gizmos. In many cases the same spurious signals are also present on my other radios (Satellit 500, Yacht Boy 400, DX-390). Some broadcasters appear 10-20 kHz below their frequency if there is another signal present there, such as WWCR 9475 mixing with VOA on 9455 shortly before 0100 UT November 26 or Canada 9755 mixing with HCJB on 9745 shortly after 0100. The mixing usually disappears when using the whip or reducing the RF gain control, but that weakens the signal one is trying to hear. Besides, the other signal shouldn't be there in the first place.

The DX-394 is my favorite for monitoring amateur radio signals. With it, and using the ARRL Net Directory as a guide, I have been able to ID some traffic nets from the east which were otherwise inaudible or buried in static on my other radios. I have even managed to pick up a few 80 and 40 meter nets from Canada. I have yet to determine how well it works for utility, since I usually don't monitor utes. For broadcast, however, the results are a mixed bag. If it wasn't for the single bandwidth and occasional overloads, this would be Radio Shack's best ever. As it stands now, it's not quite right. Radio Shack needs to do some rethinking and redesigning before introducing more radios of this type.

Simon Spanswick's column in the November BBC Worldwide shows the Siemens RK 777, a Sangean made radio to be launched in Germany next spring. Will a version of the 777 be Radio Shack's next major portable? We shall see...Meanwhile, I finally got a copy of the 1995 World Radio TV Handbook which said that Radio Shack was going to start selling Grundig shortwave radios during 1995. But so far, no Grundigs at Radio Shack, although at the end of the year and even into early 1996 the DX-390 was marked down to $170.

On the December 14 MEDIA NETWORK, Tom Sundstrom calls the DX-394 "an excellent receiver for the beginner seeking something more than a portable. It's at the right price point, probably the least expensive table top receiver in the market place at the close of 1995...I think it's aimed at the person who, in the Radio Shack store, may be considering something slightly higher leveled than the DX-390 and DX-392 portables which, until now, have been their top of the line receivers. It should be noted that this is Radio Shack's first entry into the table top market after more than a dozen years. Their earlier receivers were the DX-200 and the DX-302 which, I was told by a store manager here, were essentially identical units, one being analog and the other being digital... Radio Shack has somebody else making these sets. They would not confirm who were manufacturing the receiver. Some speculation is that it is the GRE Corporation in Japan...The receiver is pretty straight forward to use. I had to look at the manual for a couple of things on the memories but once you get the hang of it you won't have to refer to the manual any more...When I first put the receiver on the table, I connected it to my usual long 120 meter antenna, and clearly that was a mistake. Switching in the 20db attenuator and reducing the RF gain bought signals to a manageable level, but clearly the receiver was happier when I put it on a shorter wire...The Lowe HF-150, which in the United States sells for a least $200 more than this receiver, has superior audio and the marvelous synchronous modes. The Drake R-8, of course, is way beyond that, being a professional receiver."

[The DX-200 and DX-302 were very different receivers. Both were solid-state, but the 200 was a conventional superhet with main tuning and bandspread tuning (analog readout), while the DX-300/302 was a Wadley Loop design (with digital frequency presentation), similar to the Yaesu FRG-7 and FRG-7000, but inferior to both of those receivers. The 200 was single conversion, meaning it was probably an image generator, while the 300/302, tho' triple conversion, had a number of problems.]

IT'S EVIDENT FROM John's observations that the DX-394 is another loser in the RF dynamic range department, probably having an IP3 (that means "third order input intercept", a means of measuring a receiver's strong signal handling capability - the higher the number the better) that would yield a substantial negative number. However, I suspect that problem could be lessened by introducing a greater degree of selectivity ahead of the receiver's antenna input by means of a good antenna tuner or passive preselector. I've previously mentioned the great improvement in performance I get when using my DX-440 on an outside aerial with an antenna tuner; really sharpens up the "front end", eliminates cross-modulation (say from the nightime 49 meter band into the 19 meter band). Would recommend John try this with his 394.

But the 394 may be RS's best effort so far at a "tabletop" SW rx, and some of its shortcomings

if RS choose to do so. It appears to be the smallest "table top" yet produced, and at $400 is the lowest priced TT on the market, replacing the $590 FRG-100B in that regard.

Probably RS's offer that a buy the rx and then return it for a refund was reasonable. I guess they must have ungodly tight inventory control, with every piece of merchandise requiring a moment by moment accounting (when I was in the business and a trusted customer wanted to try out a piece of equipment I'd simply put it on a charge "memo" to be cancelled when the item was returned). But when I told the RS DM I couldn't make such a proposed purchase via credit card - I've never bothered with credit cards - he didn't seem to care for that (maybe these days not having a credit card is io ipso a cause for suspicion).

ALLEN J. MUI (OK), has sent along some pages from the HOLLOW STATE NEWSLETTER, which I've heard of and probably should be receiving. The publication, devoted to VT receivers, especially the finer ones like the Collins R-390, is published by Ralph Sanserino, P.O. Box 1831, Perris, CA 92572-1831, tel.: (360)786-6756. But the publication may be in jeopardy because of a shortage of contributions of articles. Allen sent an item on the Racal RA-17, a receiver from the 1950s in the same league with the Collins R-390 and 51-J series. I've previously mentioned this Wadley Loop receiver, one of the best of all VT receivers, tho' the writer of the article, TERRY ROBINSON, rates it below the R-390. I've always thought I'd prefer the Racal, with its mechanical simplicity, to the (to me) almost overwhelming mechanical complexity of the R-390, required to provide the digital frequency readout. Like the 51J series, the RA-17 provides analog frequency readout to 1 kHz. Unlike the R-390, the RA-17 does not provide full medium wave coverage, beginning at 980 kHz. Sensitivity, selectivity and stability specs. are all respectable (drift in the last production of these units was down to less than 50 Hz after 1½ hr. warmup, good even by today's standards).

Tho' in use there is little to choose in regard to sensitivity between the RA-17 and R-390A, Mr. Robinson preferred the 390's tuneable front end, the Racal using band-pass filters (evidently much like today's synthesized up-conversion receivers - one reason I've prefered seperate "preselector" tuning as used on the VT Drake receivers, the Collins S-Line and the Yaesu FRG-7: of course, that's another knob to twiddle while you're tuning, but it does provide that extra measure of control, assuring signal peaking: could that have something to do with my R70, with its band-pass filter front end, not receiving RFPI on 15050, while the old Hallicrafters, with its tuned RF stage, was pulling it in? And, of course, on many VT receivers we had that "antenna trimmer" for additional front end peaking). Mr. Robinson found the R-390A's audio quality much superior to that of the Racal and SSB performance poor (rather strange considering the receiver's frequency stability, unless the problem is in the detector/BFO. Neither the 390A nor the RA-17 were equipped with a product detector, tho' it has been a common practice to add one to the former.) Also, the RA-17 requires an external adapter to extend the frequency range through the lower medium wave and long wave portions of the spectrum (as per the Collins 51S for satisfactory performance). An "SSB Adaptor" and frequency extender were available from Racal.

I've noticed on the RA-17 front panel, in addition to the "band switch" (for the pass-band filters), a control called "AE Tune", which I always thought meant "Aerial tune", i.e., a tuned antenna circuit.

THO' THE ERA of the vacuum tube has long been over so far as radio receivers are concerned (except for some hobbyists and collectors who still like to play with, refurbish and just plain listen to them, as do I), it still lingers on among certain high-fi enthusiasts, there being some very expensive VT high fidelity amplifiers on the market (in the $10,000 range) using tubes like the 300B. A highly sought after tube for high-fi amps is the ancient 45 triode (a 2.5 volt filament tube). My brother recently built for someone an amplifier using one of these tubes in a single ended stage (some of these audio purists even eschew push-pull outputs), and, despite the low output (no more than 2 watts, if that much), I must say it sounds very good.

ONE OF THIS publication's most active correspondents these days, from whom I've received some interesting letters over the past few months, is JOHN T. WAGNER (OH). John is an avid SWL, experimenter and promoter of the hobby, loaning receivers to people confined by illness. He has found SWLing a balm during his own illness. The following are some of his observations:

> I have one of those new RF Systems DX-One Pro Active antennas. I know how you [gh] feel about active antennas, but I won't be happy until I prove to myself what I already know, a good active antenna at best is only as good as a poor passive antenna. The DX-One Pro performed so well in the WRTH "Great Antennas' Test - 1996", I was thrown back into the active antenna mood again....
>
> I have purchased the MFJ 259 SWR analyzer to help with some measurements. Among the capabilities of this meter are impedance measuring and signal strength. Before you holler SWR means nothing for receive only, hold on. The debate in the SWLers community is whether baluns work or don't work, even if the current baluns (no pun intended) are even in fact "baluns".
>
> The SWLer's problem, as least so far as I am convinced, is that most all current antenna information has been written by Amateur Radio people and they all put an Amateur Radio spin on our

SWL antennas. I like these people and they are much more knowledgable than I. My experience has also been that Hams treat us as a sub species. [Don't believe it's quite as bad as it used to be when Hams regarded SWLs as people "too dumb to get a ticket" - i.e. Amateur license - lc.] All that aside, there does need to be more work done examining antennas from the SWLer's perspective. I admit that I'm not qualified, I just hope to spark more research.

What I have are 1) a new RF Systems DX-One Pro Active Antenna. This antenna is most interesting as the control box contains a multi-step attenuator: +6 dB, 0, -10, -20, -30 and -40 dB - quite impressive. It also has a Medium Wave supression filter that can be switched on or out of the circuit and it can feed two receivers plus act as an antenna switch for one extra passive antenna; 2) a DX-Listener, a passive antenna with an indoor control box. The control box allows you to switch the outdoor antenna between a high efficiency broad band to a low noise T2DF. The antenna has a circuit that changes the antenna from an open T2DF to a low noise terminated. It is a passive antenna and uses a special balun (10:1 I think) for feedline coax impedence matching; 3) a new MK-2 66' MLB antenna; 4) an EMF, a short potable sloper antenna that can be mounted as a vertical and connected to an SP-1 antenna combiner and fed in concert with a MK-2. This gives you one vertical balun and one longwire balun for use with multipath signals (fade); and 5) a regular 70' random longwire sloper to be fed from the same height as the others directly to a receiver.

I also have a new antenna device, an I C E Corp. model 180 Longwire Matching unit: a special balun/matching unit that allows you to feed an open longwire to 180A balun for impedence transfer and grounding and then 15' or 20' of coax from ground level to your receiver. You can also use the 180A in concert with an "in the air" wire/feedline balun. This allows for cleaner and more efgicient transfer at the antenna wire coax feedling connection while also leveling out impedence from coax feedline to receiver, thereby producing clean, quite strong, signal coupling throughout the whole system. To make a long story short, I want to cause more antenna thought and experimenting with SWLers' antenna systems.

[At the moment I'm listening to the BBCWS "Music Review" on my ICOM IC-R7000 at 474.785 MHz. How could that be? The audio output of the Drake ESR1124 sat rx, tuned to C-SPAN AUDIO TWO (BBCWS), is being fed to a wireless modulator operating on that frequency; sounds fine, even better than ECSS/Sync, the best that SW can do.]

(2 March '96) I am listening to WOR on two receivers, a second hand, but good, Lowe Europa, and a brand spanking new JRC NRD-535D. I thought I would place myself in a position to provide a comparison of the Drake R8A with the NRD-535D. At the moment I can't say for sure which one I like the best: the JRC is new but it is growing on me.

I've read myself silly trying to evaluate the new players on the block, the Lowe 250 and AOR's new entry, the AR7030. My reading is mixed, and I really question if either one will go over in the DX community. The Lowe 250 is a very nice receiver, but for me not worth the high price. The first quote I received was $1349 with the sync option, 1249 without. I my opinion sync is no longer a viable option, it is a necessity [agreed]. Once one becomes accustomed to "synchronous detection", call it ECSS or whatever, it is all but impossible to do without...

My problem with the new Lowe 250 and the AR7030 is price and lack of certain tuning comforts that are hard to give up once you have tasted them: passband tuning and notch filter [PBT is listed as one of the 7030's "key features"]. I really believe that the two receivers are going to prove to be excellent. Ironically, both have been designed (for the most part) by the same person, John Thorpe, formerly at Lowe, now at AOR. (Could there be a price war here? I would think so!)

There are a few other things that at least I think will cause the two receivers to go flat in the DX community: no stick shift operation and more computer control. While the AR7030 is supposed to be more favorably priced, it has the "use fewer buttons and knobs" design theory. Am I wrong or was that the reason Drake went from a carousel R8 to a more stick shift "one control button for each control" style? All I can remember reading in the receiver reviews was "the real problem with the Drake R8 is the SSB and bandwidth carousel."...

Also, while it would be foolish to think that the computer would not play a bigger role in DX, are we ready for more dependence on computer control as these new receivers tend to lead us? Both are very up front with computer options. The Lowe 250 now provides a free starter program, but the AR7030 takes us even a few steps further, more computer controls, almost all remote control from the TV/VCR style remote. The real question here will be, "How far from the knobs and buttons are real DXers ready to move? My bet is not as far as these designs lead us. [Of course, the time is already here when your computer can BE your shortwave radio, as per the WiNRADiOTM, a computer card containing a complete rx. The computer is on the verge of becoming your everything, of becoming YOU.]

The uproar over the fewer controls on the R8 was only a few short years ago. The R8A is selling well. The next year's sales figures should prove interesting!

I have one more new item: a new RF Systems DX-One Pro! This [is an] active antenna that really

works... I bought the DX-One-Pro and had it shipped right out to NASWA equipment reviwere Alan Johnson. My early reports from Alan have been glowing. Said A.J., "I've got to save up my pennies to get one of these." Watch for a review at some point in the NASWA Journal, now on the Internet.

(20 March '96) EQUIPMENT LIST (felt to be of interest to an SWL for his/her own use):

Receivers (new and slightly used but very good): Drake R8A, JRC NRD-535D, Lowe Europa [John does not see the Europa in the same class as the other two]

Drake SW8, Lowe HF150 w/ PR-150, SP-150 & rack, SONY 2010 (most see these receivers as in the same class, I don't).

Antennas: 1) RF Systems Magnetic Longwire Balun Slopers, one of each MK1-44' sloper - MK2 66' sloper; 2) RF Systems Active DX One Pro (as good as any if not superior in many areas); 3) Palomar WB-1, M L B 20' sloper; 4) RF Systems EMF (Electro Magnetic Field) 100 kHz - 30 MHz - a special balun for HF and a special ferrite canister if MW used for rather surprisingly good reception results; 5) Alpha Delta DX SWL sloper and will buy Alpha Delta DX Ultra and/or T2DF (or T2DF DX Listener) for use of more traditional comparison antennas - there is a lot of speculation as to proper use of baluns, tho' I am sold on them if made by good companies; 6) 100' random wire (just to see if balun has or has not merit)

Misc. Equipment: 1) Two 8' ground rods; 2) Alpha Delta 2 or 4 position antenna switch to shift various antennas to the same or multiple receivers using same signal; 3) RF Systems SP-1 antenna splitter/combiner - for use in splitting same signal to two receivers or for feeding a combined vertical antenna and sloper antenna into one receiver an same signal to demonstrate method of multipath signal control and/or weak signal enhancement; 4) I C E model 180A matching unit - for impedance matching between antenna wire and coax feedline plus any impedance match needed: impedance balance throughout entire antenna/receiver feed point has more merit than currently given; 5) MFJ 16010 Random Wire Tuner; 6) MFJ 259 Multi-function antenna tester (for impedance, RF strength, resonant freq., etc.

Recommendations: I would recommend One-on-one same antenna comparison between JRC NRD-535 and Drake R8A (and Lowe Europa if desired - Europa advertised as beating the JRC!); 2) Compare multitude of antennas on same receiver with same signal; 3) Compare SW8 with Europa (you may be surprised); 4) Compare all portable receivers with whip antennas for readability on same signal. Receivers with whip antennas would be Drake SW8, Lowe 150, Lowe Europa and Sony 2010 (using whip only); 5) Compare balun antenna signal strength with non-balun: impedance, signal strength at resonance, can be quantified with MFJ 259; 6) Show new SWLers just how much improvement can be realized by using a small 20' to 40' easy to hang Palomar of RF Systems outdoor passive antenna on Lowe or SW8 class receivers - can really be helpful for novices; 7) Demonstrate that there are alternative, good, antenna systems for confined locations; 8) Show advancement in active antennas (and price!); 9) Most important to me are #1 and that proper attention to grounding and impedance matching of receiver/antenna systems pays dividends.

[A wealth of information and suggestions here.]

(2 April'96) Your [lc's] interest in digital signal processors is interesting. I can tell you that they do work and much better than the older technology. I have used several JPS units, their ANC-4 and NIR-10. I have also used the MFJ 784B DSP unit and one made by Kiwa (Daiwa?). I found that they all worked quite well with the NIR-10 far out front of the pack.

For the JPS ANC-4 to be of any value, in my experience, you must be plagued by one or perhaps two sources of man made noise that fall within certain prescribed abilities of this device. The ANC-4 connects very much like one of those small active antennas such as the MFJ 1022 or the Ameco TPA. The antenna on the unit has even been used by some SWLers for just that purpose. When the man made noise is phase tuned on the ANC-4 it does perform a very worthy job of nulling out that one or two types of interference. By the way, of all the various DSP units I am most impressed by JPS. These digital units outperform their older analog brothers to such a degree that some suppliers will not take an analog unit in as a trade.

Now the JPS NIR-10 is quite a different and more expensive unit. I owned one, and had a lot of fun using it. But I'm a died in the wool knob twister. I like to stick shift receivers, the more knobs and buttons the better. [But] if you only have a few hours per night to listen or if you are the figity, in a hurry, type, this or any other DSP is for you.

The main benefit of the ANC-4 is that once you tune it to the type of interference bothering you, you can almost set it once and forget it. You may need to tweek it a time or two, but for the most part you are dealing with one interfering product, and once nulled always nulled.

With the NIR-10 you need to hook it up close to the receiver, between the speaker and you [the listener]. The first downfall is if you have good audio, as with the R8A, you may as well forget it and buy another speaker or use a headset (with a decoder that is really no big deal, but for tuning RFPI it is a lot of work).

In my experience the JPS equipment is by far the superior equipment over others I've tried. The bottom line is it works, at least JPS does not badly distort the audio (they all affect audio

quality, its only a matter of degree), but for the time put in to learn the quirks and tricks of operation plus the very little time that I really needed DSP with the R8A was not really worth the lost time trying to peak the signal, and most of all, I did not feel that the cost was worth the benefit.

Also, with the high quality of today's top gun receivers like the WJ-HF1000 [has, I believe, built in DSP], Drake R8A or the JRC NRD 535D, you really don't need a DSP unit. If I had an older receiver with poor filters and lesser signal control, or if I was using a SW8, Lowe Europa or similar receiver without passband tuning, I would probably buy another one. With the notch filter, passband tuning and cascaded IF filters in the new receivers, save your time and money.

The problem at this QTH isn't the need for a more selective rx (the R70 has a notch filter and a form of PBT), but something to pull signals through the high noise levels. Have noticed that a Ham friend's DSP device really pulls SSB signals out of the noise. Part of my noise is IF radiation from satellite receivers; if sat rx tuned to transponder with subcarriers they can be heard in the 5, 6 & 7 MHz bands; otherwise its pink noise from the sat rxs' IF passbands being radiated; don't wish to turn off all sat rxs when listening to SW.

When will we have a SW rx that will convert the received signal into a digital data stream, leaving behind all noise, heterodynes, with only the transmitted intellegence in its original fidelity having been reconstituted to emit from our loudspeakers. Probably the current state of DSP the best that can be done in reconstituting as SW analog signal? To have anything any better would be possible only with transmissions in digital format. Can this practically be done on HF, or would the vagaries of SW propagation cause too many disruptions of the dds? Well, one of these days "world band radio" (who invented that silly phrase for international broadcasting?) will be coming in digital streams from engines in the sky on the S-Band or someplace into receivers far simpler than these HF glory (or inglorious) boxes so assidiously reviewed, discussed, praised and damned. Of course, chasing elusive HF signals, ever improving the instruments for receiving them, all of the experimenting with circuitry, antennas, etc. has been going on on a considerable scale for some 70 years and continues to go on, and it has been and continues to be a challenge with all of the fun of a challenge. (John is a fine example of a person engaged in that sort of fun.)

WOULD BE PLEASED to hear from anyone who has personal experience to report with any of the receivers or other devices to facilitate radio reception mentioned above. A while back we were having readers write to tell us about the BEST and the WORST receiver they ever had. Anyone have some nominations?

* * * * * * * * * * * * * * * * * * * *

A SONNET BY GUIDO CAVALCANTI (1250-1300)

And what is this loveliness but an emanation
Of the flowers and resplendent greenery of your soul
Being shown in the brighter sunshine of your fair face
That all who may see shall know your worthiness?
Your beauty and your pleasantness have no peer
And with them you have eased all fear of love
In one who sees into himself through you
And finds desire's full treasury unlocked there.

The women of your entourage are dear to me
Because they are dearer still to you, and, knowing
Their courtesy, I ask of them that she
Who is the fittest to do so honor you
Who are dear to them as beauty's highest sovereign,
Surpassing all women they or I have seen.

- translated by lc

Radio For Peace International—Program Schedule—April-June

ALL PROGRAMS REPEAT 8 HOURS LATER
PROGRAMS ORIGINATING BETWEEN 1700 AND 2100 ALSO REPEAT 15 HOURS LATER

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY	UTC Universal Coordinated Time
							1600
FIRE (Programa Radio Internacional Feminista)							1 Hora
							1700
FIRE (Feminist International Radio Endeavour)							1 Hour
							1800
"CounterSpin" Media Analysis	"The Far Right Radio Review" Discussions / Analysis	"Second Opinion" Matthew Rothschild, Interviews	Living Enrichment Center Mary M. Morrissey, Talks	"MAKING CONTACT" Reports and Interviews	"World of Radio" Glenn Hauser, DX	UNITED NATIONS "World Chronicle"	
RFPI REPORTS* Tropical Conservation Newsbureau	RFPI REPORTS* UNITED NATIONS "Scope"	RFPI REPORTS* "Report from the Desert" "Along The Color Line"	RFPI REPORTS* "The Neumaier Report"	RFPI REPORTS* UNITED NATIONS "Women"	RFPI's Mailbag	"My Green Earth" Nature Program for Children	1830
"Steppin' Out of Babylon" Sue Supriano, Interviews	"World of Radio" Glenn Hauser, DX	"This Way OUT" Lesbian & Gay Radio Magazine	"Alternative Radio" David Barsamian Political Analysis	New Dimensions Radio Interviews	"CounterSpin" Media Analysis	New Dimensions Radio Interviews	1900
"Voices of Our World" Maryknoll Media Rel.	RFPI's Mailbag	New Dimensions Radio Interviews			"MAKING CONTACT" Reports and Interviews		1930
"Alternative Radio" David Barsamian Polititical Analysis	UNITED NATIONS "World Chronicle"		"Micro-Radio in the United States" OR The Food Not Bombs Radio Network	"World of Radio" Glenn Hauser, DX	"The Far Right Radio Review" Discussions/Anaylsis	Living Enrichment Center Mary M. Morrissey, Talks	2000
	"My Green Earth" Nature Program for Children	"Voices of Our World" Maryknoll Media Rel.	WINGS Women's International News Gathering Service	RFPI's Mailbag	RFPI REPORTS*	RFPI REPORTS*	2030
UNITED NATIONS "Caribbean Echo" U.N. DAILY NEWS Hightower Radio	UNESCO U.N. DAILY NEWS Hightower Radio	UNITED NATIONS "Caribbean Magazine" U.N. DAILY NEWS Hightower Radio	Tropical Conservation Newsbureau U.N. DAILY NEWS Hightower Radio	UNITED NATIONS "Perspective" U.N. DAILY NEWS Hightower Radio	"RadioNation" Marc Cooper Interviews/Commentaries	World Goodwill Forum/ Lucis Productions or "Peace Forum"	2100
							2115
"Micro-Radio in the United States" OR The Food Not Bombs Radio Network	WINGS Women's International News Gathering Service	"VIETNAM VETERANS RADIO NETWORK"	"THE SECRET SIDE OF GLOBAL TRADE" TUC* Radio	"Second Opinion" Matthew Rothschild, Interviews		World Goodwill Forum/ Lucis Productions or "Peace Forum"	2130
RFPI REPORTS	RFPI REPORTS	RFPI REPORTS		"Steppin' Out of Babylon" Sue Supriano, Interviews	"Disability Radio Worldwide" Jean Parker, Interviews	"The Far Right Radio Review" Discussions / Anaylsis	2200
New Dimensions Radio Interviews	UNIVERSITY OF THE AIR Lloyd Gilbert, Class A	UNIVERSITY OF THE AIR Lloyd Gilbert, Class B	UNIVERSITY OF THE AIR Lloyd Gilbert, Class A	UNIVERSITY OF THE AIR Lloyd Gilbert, Class B	"VIETNAM VETERANS RADIO NETWORK"	"Peace Forum"	2230
	UNIVERSITY OF THE AIR Dr. Mark Thurston, Class A	UNIVERSITY OF THE AIR Dr. Mark Thurston, Class B	UNIVERSITY OF THE AIR Dr. Mark Thurston, Class A	UNIVERSITY OF THE AIR Dr. Mark Thurston, Class B	"This Way OUT" Lesbian & Gay Radio Magazine	"World of Radio" Glenn Hauser, DX	2300
"The Neumaier Report" U.N. DAILY NEWS "Spiritual Awakening"	UNITED NATIONS "Perspective" U.N. DAILY NEWS "Spiritual Awakening"	"Dialogue" UPAZ News U.N. DAILY NEWS "Spiritual Awakening"	UNITED NATIONS "Scope" U.N. DAILY NEWS "Spiritual Awakening"	"World Citizens Weekly Commentary" U.N. DAILY NEWS "Spiritual Awakening"	UNITED NATIONS "The World in Review" "RFPI Reports" "Spiritual Awakening"	UNITED NATIONS "The World in Review" "RFPI Reports" "Spiritual Awakening"	2330
							2345
							0000

* Also heard this half hour: Matthew Rothschild's "Insight," Jim Hightower Commentaries, plus "Earthwatch Radio" and "Earth & Sky"

Radio For Peace International

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Global Community Radio

6.200 (AM)	1200-0000 UTC
6.205 (USB)	0000-1200 UTC
7.385 (AM)	2200-1600 UTC
15.050 (USB)	1200-0000 UTC

RFPI is a non-profit, non-commercial radio station. Your financial contributions are greatly needed.

EXCERPTED FROM RFPI "VISTA" (APRIL 1996)

RFPI's broadcast schedule will see a some shuffling this quarter to accommodate some great new programming.

Jean Parker, whom I mentioned earlier, is the host of a new interview program: "Disability Radio Worldwide." The series is "dedicated to the communication, the issues, events and political analysis affecting people with disabilities worldwide." You'll hear from people like Carolyn Reed who is a parent of a child with autism; Jim Hudson on the Agent Orange settlement program and Hugh Gallagher on F.D. Roosevelt's polio and the role it played in his presidency. Join us for this captivating program each Saturday at 2200.

From the publishers of "The Nation" magazine comes "RadioNation," a weekly radio magazine review of news, politics and culture featuring live interviews with, and commentaries from, Nation columnists, writers and editors. Each 60 minute edition is hosted by Marc Cooper and includes guests such as Nation columnist Alexander Cockburn, author Gore Vidal and law professor and author Patricia J. Williams. Become a regular listener to "RadioNation" Saturdays, 2100.

And from TUC* Radio, the producers who brought you "The Secret Side of Free Trade" on GATT, comes an exciting new series of thirteen, one hour programs on the Social, Ecological, Cultural and Political Cost of Globalization. It is based on an extraordinary teach-in that took place in November 1995. Over 40 speakers from 19 countries described what they saw as a restructuring of global politics and economics that may be historically as significant as the industrial revolution. Among the topics addressed in this series will be the risks of biotechnology & global diseases, the de-chartering of corporations and Michael Parenti on the "Cost of Empire." The series begins Thrusday 4, April at UTC 2130.

"Earth & Sky" has a new format which you are sure to enjoy—a program for each day of the week! In addition to the weekday shows at 1840 UTC, Debra and Joel will be with you each Saturday and Sunday at 2045 with more fascinating facts on our earth and the universe through which it travels.

On a more somber note, it was with regret to learn "Amnesty International Reports" had ceased production on KCRW in Santa Monica, California. In an attempt to continue bringing you information on the work of Amnesty, we are currently speaking with other AI groups in Costa Rica, Great Britain and elsewhere with the intention of resuming the production of a monthly report similar to that of KCRW's. Updates to follow.

Now for that shuffling.... The 2200 daily airings of RFPI Reports have been condensed to Monday-Wednesday at that same hour, while the 2130 Thursday airing of "Steppin' Our of Babylon" moves to Friday at 2200 (Monday's time remains unchanged.) Shuffling complete!

SPAIN (monitored April 13 by John Norfolk, OKC; edited) At 0000, 0100 & 0500 on 9540, NAm days: Mon-Fri we start with a new half hour program of NEWS & related features. Spanish & international news, with special attention to our bureau in America, is interspersed with reports & interviews on the arts, cultural events, sports, the economy. & the weather. The second half hour of begins with some Spanish pop music, followed by a REVIEW OF THE DAILY PRESS IN SPAIN. The following program changes each day. Mon a look at what's happening in show business in ENTERTAINMENT IN SPAIN. Tue KALEIDOSCOPE, reports & interviews about science, cultural events, current affairs & many other areas of interest in the Spain of today. Wed WINDOW ON SPAIN deals with a wide variety of topics related to life in this country, its customs, & events, & personalities. Thu a repeat of the previous Sunday's RADIO CLUB. Fri we air a weekly REVIEW OF THE ARTS in Spain. Finally, if you're interested in learning Spanish, every weekday we end with a brief LANGUAGE LESSON.

Over the weekend, our programming changes quite a bit. Sat, after the NEWS, CULTURAL ENCOUNTERS, an interview program which focuses on cultural exchange between Spain & North America; SPANISH CONNECTION, a series on the historical links between Spain & Britain, & DISTANCE UNKNOWN, our weekly spot for DXers. We end with POP-A-RAMA, featuring Spanish pop music old & new. Sun, following the NEWS, you can find out about some of the interesting people who passed through Spain the previous week in VISITORS' BOOK followed by GRASS ROOTS, a series on Spanish folk music. We end with RADIO CLUB, in which we answer letters & play a bit of Spanish music.

So, as you can see, we try to cover all aspects of life here in Spain, & to make our programs as varied & interesting as possible. But you, our listeners, are also vital to our broadcast. Please help us improve our programming by sending us your reception reports & comments, especially regarding the recent changes on our program. You can write to us at the following address: Radio Exterior de Espana, Spanish National Radio, PO Box 156.202 Madrid 28080, Spain.

PUBLICATIONS I decided to buy a copy of the May 1996 Popular Communications to see if the recent change in editors had resulted in a change in the magazine. It hasn't. The equipment review column profiled the Grundig Yacht Boy 400, a radio that has been available for a couple of years and since reviewed by everybody else in the business. The English language broadcast schedule, marked "Spring 1996," is a mess. Most of the stations that switch time for the summer are still listed at their winter times and frequencies, and a few actually have a mix of both--for example, Bulgaria at 2300 with one frequency wrong and the now 2100 broadcast still at 2200 also with one frequency wrong. Some times are just plain wrong for either season. Radio Vlaanderen Int'l is listed at 0000. A photograph of Radio Canada International broadcasters on page 76 appear to be that of Gerard Rejskind and Diane Mathis (I'm comparing this to a photograph of them with Gordon Redding on the cover of Review of International Broadcasting #81, dated October 1983) of RCI's old North American MAILBAG, which (sadly) has been defunct for years. The ham column, written by a representative of the ARRL, is essentially a plug for the ARRL Net Directory, which is a worthy publication, one I have recommended in print and on WORLD OF RADIO, but this column is confusing. There is no attempt to differentiate CW and voice nets, and while times are given in UT they are for winter, so most would be one hour earlier now. The opening comment I would dispute. It says "Mention amateur radio nets to John Q. Public and he'll probably conjure up the popular TV news image of hams frantically --and cryptically--passing emergency traffic during one natural disaster or another." I would say "Mention amateur radio nets to John Q. Public and he'll most likely have no idea what you are talking about."

Checking at Radio Shack April 6, I found that they haven't published a new issue of Radio! in quite a while. Although the store manager doesn't think so, this suggests to me that the magazine has been discontinued. Radio, incidentally, is/was published on a contract basis by PopComm. (John Norfolk, OKCOK)

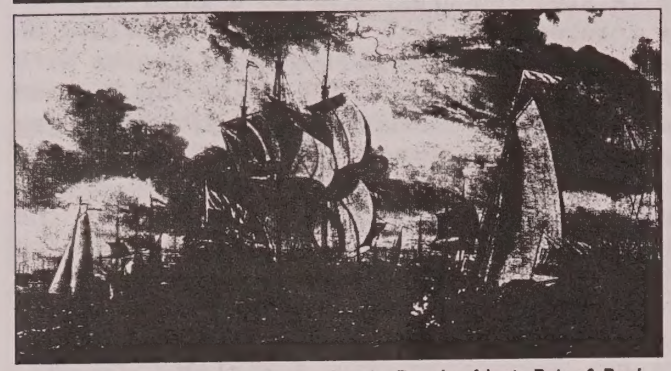
Mirror Images Holds A Mirror To Real Life

On September 24th, Mirror Images will celebrate its fifth birthday as Radio Netherland's weekly arts and culture programme, produced and presented by **David Swatling**. Writes David: From the beginning I've tried to avoid the elitist approach that turns a lot of people away from arts programmes. That doesn't mean ignoring classical music, opera or fine arts, but simply expanding the coverage to include, for example, pop music, film and comic-strip art - bringing us bang up-to-date, so to speak. Some special features to look forward to in the new summer season include *40 Years Of The World Press Photo* in April, Amsterdam's *Holland Festival* in June, the ever-popular Utrecht Festival Of Early Music in September, and events throughout the year in Denmark's capital city of Copenhagen, 1996 Cultural Capital Of Europe. And as always, we'll look into unusual exhibitions, talk with emerging film-makers and sample this country's unique speciality of fascinating location performances. So make a date to tune in to Mirror Images, where - as David proudly boasts - the arts are for everyone! *Mirror Images is broadcast every Tuesday.*

A Great Peter

The year 1996 celebrates the tricentennary of the visit to the Netherlands of one of the greatest kings in Western history, writes **Dheera Sujan**, host of this three-part series. Peter the Great opened Russia to the world. Determined to bring in foreign knowledge, influences and culture to a country that was previously fanatically isolationist, he became the first Russian monarch to make an intensive tour of Europe. Fascinated by many things Dutch, in 1696, this giant of a man, ruler of one of the largest and most powerful countries in Europe arrived on an incognito tour, landing first at Zandaam, then moving on to Amsterdam where he stayed for four months. His purpose: to study the shipbuilding techniques of one of the great maritime empires of the world. But ships were not the only source of inspiration for him: he soaked up any learning or technical skill he could, and took back Dutch and other Western European influences in military science, architecture, science, landscape gardening, art and commerce. *Peter The Great is to be broadcast on September 25th and 27th, and October 2nd, 4th, 9th and 11th.*

SEASON'S DOCUMENTARIES



A painting by Abraham Storck showing the Russian frigate Peter & Paul...

It's shaping up to be our best ever documentary season. Detailed here is just a brief teaser of each programme (for broadcast dates see right).

(via Jim Moats, Diane Mauer, Bob Thomas, Steven Cline)

Krakers: In a small country, housing is hard to come by. In the '70s and '80s the housing crisis reached a peak. Nowadays, reports Michele Ernsting, any unoccupied space is fair game for squatters - or *krakers*.

- **Living By The Water**: We'll visit the coastal community of Kilmorequay in Ireland, find out about Scotland's lifeboat service, and travel across Europe on a Dutch barge.
- **Microchips Yes, Potato Chips No**: a two-part series from Jaldeep Katwala. Indians want to say yes to microprocessors but no to fast food; yes to laptops but no to tv dinners. But can they have it both ways?
- **Buddy, can you spare a home?** Mindy Ran poses the question: who are these homeless people, why are they on the streets and how much ingenuity is needed to survive a harsh Amsterdam winter?
- **Can White Folks Play The Blues?** Can music with its roots imbedded in oppression and discontent be played by modern-day, middle-class whites? Helen Barrington reports.
- **Year Of The African Child**: June the 16th is the sixth annual Day of the African Child and to mark the event Eric Beauchemin profiles one of the biggest groups trying to help more-than 120,000 street children in the Kenyan capital, Nairobi.
- **5 Years Yugoslavia**: five years ago, the Yugoslav republics of Croatia and Slovenia declared independence - a step which ultimately led to full-scale war in the Balkans. Eric Beauchemin reports in this two-part special from the former Yugoslavia.
- **Lessons In Revolution**: kids and parents alike complain 11 is too young an age to decide a future career. We follow Holland's education system through the stories of children and teenagers.Where does the future of education lie as we go into 2000? Mindy Ran reports.
- **Preparing For Atlanta**: a two-parter in which Howard Shannon looks at how Dutch athletes have been readying themselves. From rigorous training sessions on chilly February mornings - to last-minute coaching just days before flying out.
- **Living On The Land**: A three part series looking at farming in the west of Ireland, at crofting in the Scottish Highlands, and at what it's like to live on one of the newest Polders in Holland.
- **Stichting Noord-Ierland**: Maggie Ayre looks into the work of the Dutch voluntary group Stichting Noord-Ierland which for the past 20 years has been bringing Irish children to Holland on an exchange programme.
- **From Before The Cradle**: an examination of Holland's National Health Care system by Mindy Ran. Spiralling cash costs worry the politicians - fear of holes in the safety net worries patients. Is it time for serious concern?
- **I want to play for Ajax, dad!** A behind-the-scenes investigation from Howard Shannon into just what it is that makes Ajax Amsterdam one of Europe's most attractive clubs for tomorrow's talented young players.
- **Millenium** Hélène Michaud reports on how different countries are going to mark the turn of the century. But why do so many people feel apprehensive?

- A P R I L -

They're Called Krakers!
Wed 3rd + Fri 5th
Titanic: A 20th Century Parable
Wed 10th + Fri 12th
Living By The Water: 1
Wed 17th + Fri 19th
Living By The Water: 2
Wed 24th + Fri 26th

- M A Y -

Living By The Water: 3
Wed 1st + Fri 3rd
Microchips Yes,
Potato Chips No: 1
Wed 8th + Fri 10th
Microchips Yes,
Potato Chips No:2
Wed 15th + Fri 17th
Copenhagen City Of Culture
Wed 22nd + Fri 24th
Buddy, can you spare a home?
Wed 29th + Fri 31st

- J U N E -

Can White Folks Play The Blues?
Wed 5th + Fri 7th
Day of the African Child
Wed 12th + Fri 14th
Five Years Yugoslavia: 1
Wed 19th + Fri 21st
Five Years Yugoslavia: 2
Wed 26th + Fri 28th

- J U L Y -

Lessons In Revolution
Wed 3rd + Fri 5th
Preparing For Atlanta: 1
Wed 10th + Fri 12th
Preparing For Atlanta: 2
Wed 17th + Fri 19th
Living On The Land: 1
Wed 24th + Fri 26th
Living On The Land: 2
Wed 31st + Fri 2nd

- A U G U S T -

Living On The Land: 3
Wed 7th + Fri 9th
Wake Of The Half Moon: 1
Wed 14th + Fri 16th
Wake Of The Half Moon: 2
Wed 21st + Fri 23rd
Wake Of The Half Moon: 3
Wed 28th + Fri 30th

- S E P T E M B E R -

Stichting Noord-Ierland
Wed 4th + Fri 6th
From Before The Cradle
Wed 11th + Fri 13th
I want to play for Ajax, dad!
Wed 18th + Fri 20th
Peter The Great: 1
Wed 25th + Fri 27th

- O C T O B E R -

Peter The Great: 2
Wed 2nd + Fri 4th
Peter The Great: 3
Wed 9th + Fri 11th
Millenium: Part 1
Wed 16th + Fri 18th
Millenium: Part 2
Wed 23rd + Fri 25th

RVI IN ENGLISH - BRUSSELS CALLING

Programme Contents

31.03.96 - 26.10.96	Timing (UTC)	
	0630-0900-1300	1800-2100-2330
Monday	News Press review Belgium Today The Arts Tourism	News Press review Belgium Today Focus on Europe Sports
Tuesday	News Press review Belgium Today Focus on Europe Sports	News Press review Belgium Today Living in Belgium Green society
Wednesday	News Press review Belgium Today Living in Belgium Green society	News Press review Belgium Today The Arts Around town
Thursday	News Press review Belgium Today The Arts Around town	News Press review Belgium Today Economics International Report
Friday	News Press review Belgium Today Economics International Report	News Press review Belgium Today The Arts Tourism
Saturday	News Press review Music from Flanders	
Sunday	News P.O. Box 26 Radio World (0630 - 1230 - 1800 - 2100 - 2330)	

BRUSSELS CALLING is made and presented by: Liz Sanderson, Deanne Lehman, Frans Vossen, Paul Rans, Colin Clapson, Stephen Windross and Dominique Wittevrongel. (via Gigi Lytle)

Our address:

BRUSSELS CALLING
P.O. Box 26
B-1000 BRUSSELS - BELGIUM
Fax: +32-2-7328336
Email: rvl@brtn.be
WWW: http://www.brtn.be/rvi/

ME SCHEDULE

VOICE OF TURKEY
2nd quarter '96
(via Diane Mauer)

ENGLISH II

MONDAY

News and the Press Review
Last Week
An American School Teacher's Letters from Turkey
The Veiled World: Harem in the Ottoman Period

TUESDAY

News and the Press Review
Welcome to Turkey
Democracy in the Turkish Press
The Changing World and Turkey
Economic panorama

WEDNESDAY

News and the Press Review
A review of the Foreign Press
Letter Box
On the Same Lands

THURSDAY

News and the Press Review
The Colors of Jerusalem-
Petroleum and Politics
A Cook's Tour of Turkey

FRIDAY

News and the Press Review
Turkish Album
Turkey's Relations with the Balkan Countries

SATURDAY

News and the Press Review
Outlook
Literature/DX Corner
The Blue Voyage

SUNDAY

News and the Press Review
Turkey's Treasure Cheste/
In the Wake of a Contest
Events of the Week
Antique Coins of Anatolia

WRN

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Internet : online@wrn.org
Homepage: http://www.wrn.org/

WORLD RADIO NETWORK LTD
1 Wyvil Court, 10 Wyvil Road, London, SW8 2TG

			WRN 1 - NORTH AMERICA - SUMMER 96
BST	**Eastern**	**Pacfic**	**STATION**
0500	0000	2100	**RTE Dublin, "The Irish Collection"**
0600	0100	2200	**SABC Channel Africa (Mon-Fri)** **SABC Network Africa (Sat)** **Radio Romania International (Sun)**
0630	0130	2230	**BBC Europe Today (Mon-Fri)** **Glen Hausers's World of Radio (Sat)** **UN Radio from New York (Sun)**
0700	0200	2300	**Swiss Radio International ***
0730	0230	2330	**Radio Canada International**
0800	0300	0000	**ABC Radio Australia ***
0900	0400	0100	**KBS Radio Korea International***
1000	0500	0200	**Voice of Russia ***
1030	0530	0230	**Radio Netherlands ***
1130	0630	0330	**SABC Channel Africa (Mon-Fri)** **SABC Network Africa (Sat)** **Radio Romania International (Sun)**
1200	0700	0400	**ABC Radio Australia**
1300	0800	0500	**RTE Dublin, Ireland ***
1400	0900	0600	**Radio Prague ***
1430	0930	0630	**RTHK - News from Hong Kong (Mon-Fri)*** **Radio Romania International (Sat)** **UN Radio from New York (Sun)**
1500	1000	0700	**YLE Radio Finland ***
1530	1030	0730	**Radio Vlaanderen International***
1600	1100	0800	**Radio France International ***
1700	1200	0900	**Voice of Russia ***
1730	1230	0930	**Radio Netherlands ***
1830	1330	1030	**RTE Dublin, Ireland ***
1900	1400	1100	**ABC Radio Australia ***
2000	1500	1200	**Blue Danube Radio - Austria (Mon-Fri)** **Glen Hauser's World of Radio (Sat)** **SABC Network Africa (Sun)**
2030	1530	1230	**Radio Vlaanderen International**
2100	1600	1300	**BBC Europe Today (Sun-Fri)** **UN Radio from New York (Sat)**
2130	1630	1330	**Polish Radio Warsaw**
2200	1700	1400	**RTE Dublin, "Ireland Tonight"**
0000	1900	1600	**Radio Netherlands**
0100	2000	1700	**ABC Radio Australia (rpt)**
0200	2100	1800	**YLE Radio Finland ***
0230	2130	1830	**Radio Sweden**
0300	2200	1900	**Radio Prague ***
0330	2230	1930	**ORF Radio Austria International ***
0400	2300	2000	**Polish Radio Warsaw***
0430	2330	2030	**Radio Budapest ***

USA. The Asia Pacific Network has been created as the newest component of US international broadcasting. The Asia Pacific Network was originally to be called Radio Free Asia. It's the culmination of a political effort to create a radio service modelled after RL/RFE, aimed at the dictatorship, mostly Communist dictatorship, of East Asia. The new station would focus on news and commentary of the target countries. The actual broadcasts of the Asia-Pacific Network will not begin for a number of months but Richard Richter was named President of the new corporation. Has worked at ABC and CBS news as well as non-commercial broadcasting in US. The Asia-Pacific Network plans to broadcast in 8 languages: Mandarin, Cantonese, Tibetan, Burmese, Vietnamese, Khmer, Lao and Korean.

The VOA also broadcasts in these eight languages and VOA devotes considerable effort to providing news about the Asian countries to which it broadcasts. But one of the tenets of the US International Broadcasting Act 1994 is to avoid duplication in US international broadcasting. So an obvious question is to what extent VOA and Asia-Pacific Network will duplicate or complement each other. In an interview with Mr Richter, believed that room for both VOA and Asia-Pacific Network. Did not believe will overlap, will have own staff, supplementing VOA programming. Said some of the transmitter sites will be that used as VOA, but premature to pinpoint sites because have not been any direct discussions with countries in which these transmitters are located. Also likelihood that will use facilities not currently used by VOA located in various places on Pacific Islands or other countries of Asia that will have an ability and capability of beaming signals into the target area. Studios to be located in Washington but not in same premises as VOA. (Adapted from a report in Communications World, 16/3 via MO).
(Mick Ogrizek, ARDXC EDXP via Thurman)

ENGLISH PROGRAMME SCHEDULE

RADIO KUWAIT (via Gigi Lytle)

FRIDAY	THURSDAY	WEDNESDAY	TUESDAY	MONDAY	SUNDAY	SATURDAY	UTC	KLT
RADIO IDENTIFICATION	Relay of FM Super Station on 99.7 MHz	RADIO IDENTIFICATION					1759	2059
CHIMES & NATIONAL ANTHEM		CHIMES & NATIONAL ANTHEM					1800	2100
OPENING ANNOUNCEMENT & REVIEW OF PROGRAMMES		OPENING ANNOUNCEMENTS & REVIEW OF PROGRAMMES					1801	2101
Our Best Friend		Human Civilization	History of Journalism In Kuwait	POP STARS	KUWAIT THE HOME AND THE LAND	Aftermath	1802	2102
		Scientifically Unattainable Marvels of Quran	SONGS & MUSIC			SONGS & MUSIC	1815	2115
Songs & Music							1820	2120
ANNOUNCEMENT OF FREQ.		ANNOUNCEMENT OF FREQUENCIES					1829	2129
NEWS		NEWS					1830	2130
Commentary		Commentary					1845	2145
MUSIC RENDEZVOUS		HITS-OLD & NEW	SOUNDS OF THE 90s	POP SESSION SPECIAL	PELL MELL	POP SCENE	1900	2200
		BITS & BYTES	CHART MAKERS			Songs& Music	1930	2230
Human Civilization		Variety Show	Human Civilization				2000	2300
Songs & Music			SONGS & MUSIC				2015	2315
Scientifically Unattainable Marvels of Quran			Scientifically Unattainable Marvels of Quran				2030	2330
Songs & Music			SONGS & MUSIC				2045	2345
NEWS IN BRIEF		NEWS IN BRIEF					2057	2357
CLOSE DOWN		CLOSE DOWN					2059	2359

COALITION TO RESTORE FULL RCI FUNDING

SCFP Local 675, 1250 de la Visitation, Montreal, Quebec H2L 3B4
TEL: (514) 844-2262 FAX: (514) 521-3082
E-mail: rci@cam.org
(via Bill Westenhaver)

ONE YEAR REPRIEVE FOR RCI, BUT...

With only days left before RCI would be closed down on March 31st, the Canadian government has found some temporary funding (for one year) to keep Canada's voice to the world alive.

"The enormous outpouring of support for RCI, both within Canada and around the world, has persuaded us that this is a vital voice for Canada which we must maintain'" said Deputy Prime Minister Sheila Copps, who as Heritage Minister is also responsible for RCI.

As happy as we in the Coalition are with this decision, it is coloured by the realization that Canada's federal politicians still don't understand the importance of the service. The government has not guaranteed any long term funding, has not authorized a separate budget nor has it really committed Canada to having a permanent international radio service.

The Coalition wants a clear statement from the government: we are calling for a separate, protected budget, (somewhat like Canada's contribution to the United Nations.) We feel that the service should be restored to at least its 1990-91 levels, bringing back language sections such as the German and Japanese services, and restoring the targeted English and French programming for different geographic areas such as Europe, Africa, Asia etc. The present funding package will not allow this to happen.

What can you do? Sheila Copps has called on "all the parties with an interest in RCI...[to] work together to develop a long-term funding solution." So, please write and say why Canada needs an effective, strong voice on the international stage. Tell the government how RCI has helped you and your family, friends and business associates.

The Right Hon. Jean Chretien
Prime Minister of Canada
Ottawa, Canada K1A 0A6
Fax: (613) 957-5556

The Hon. Sheila Copps
Minister of Canadian Heritage
Ottawa, Canada K1A 0A6
Fax: (613) 992-2727

E-mail Jean Chretien at: remote-printer.Jean_Chretien@0.0.9.6.1.4.9.3.1.6.1./tpc.int

Amateur In the new DXLD ham column I wrote "Occasionally I hear different IDs for the same net," referring to a Blessings for Obedience/Hams For Christians Missionary net I first monitored last November. Well, occasionally I make erroneous assumptions. On UT March 22 I heard BFO at 0119 on 7239.5. The net control was running a simultaneous net on 14320, inaudible here. Later, they were on 7238.5 at 0210. A ham told a station in Oklahoma (which I could not hear, nor could the net control in Texas) that BFO met Tuesdays & Thursdays at 7 pm CT on 7239.5, and its sister net, Hams For Christian Missionaries, met Monday, Wednesday and Friday at 8 pm on 7238.5. The nets' primary purpose is running phone patches for missionaries. The following night, I checked the Christian Missionaries. Net control said their alternate frequency was 14330, and BFO also met Saturdays and Sundays at 2100 on both 14320 and 21330. Nothing from BFO was heard on 14320 the following Saturday or Sunday.

Meanwhile, on UT March 23 at 0100 a battle erupted on 7238 between the County Hunters, who were running late, and The Timber Wolf Group, who was trying to start. The Wolves moved to 7236, where I found them a few minutes later still fighting with the County Hunters, with the Wolves calling the Hunters CBers (the ultimate insult). They finally calmed down and the situation was straighted out. According to the county hunters rep, their net meets daily on 7238 from the time the band opens except at 1545-1700 when they move to 7243 while the Baja Net met on 7238.

John Norfolk, OKCOK

If John Norfolk thinks 3950 & 3975 are a zoo, check out 3894.5 some evening... it's usually all-out war between Rich, WB2OTK in Greenville SC (aka "Porkbutt") and his friends, and the followers of "Big Al," KJ4JX in NC (aka "the Hickory Hog") for "control" of the frequency. [One of the other major players is W4FQF-- George, aka "Polly the Parrot"--if you've ever heard his squawky voice you'll know where he got the nickname.] Ham friends of mine tell me this feud has been going on for years. It manifests itself in all manner of malicious QRM: jamming, CW, double -sideband and split-channel operation, tapes, DVR recordings, music, and loads of vulgarity and profanity. Occasionally the barbs, insults and repartee are witty, even hilarious; most of the time it's a childish game of "My (signal, amplifier, antenna) is bigger than yours," name-calling, defamation of character, accusations, and general paranoia. Apparently during the daytime they all hang out on 14313 and raise just as much hell.... Sometimes Rich & Co. hold forth on 3965, but often get jammed back to the Stone Age there too. Obviously, it has nothing whatsoever to do with legal, civilized amateur radio operation, but in this era of laissez-faire FCC regulation, who's gonna sit on 'em? The only thing other 80-meter users can do is avoid them! I can certainly sympathize when John says "there's no way in Hades" he would get a ham license "with the likes of these on the airways"... I've never upgraded from "Tech Plus" to General, never had any desire to talk on HF, for this very reason. I only need to take the 13wpm code test, but why bother? The only major privilege I would gain is voice on HF, and I'd much rather stick to my local VHF/UHF repeaters, thank you! Yes, I know the vast majority of HF hams are good, law-abiding, courteous etc... but that doesn't change the situation for me.

That's all I have for now--73 from the Ozarks. (Randy Stewart, MO)

RADIO BULGARIA

PO Box 900, 1000 Sofia, Bulgaria, fax (359 2) 650 560

Attn: Mr Hauser
World of Radio
Sofia, March 20, 1996

Dear Mr Hauser,

We would like to ask you to include the following announcement in your DX Program "World of Radio":
1996 marks the 60-th anniversary of the first Foreign Service broadcast of the Bulgarian National Radio. On this occasion, Radio Bulgaria will air TWO SPECIAL TEST-BROADCASTS wordwide on Saturday, June 1, 1996, under the following schedule (all times UTC):

TIME	FREQ	PWR	AZIMUTH	TARGET AREA
08.30-09.30 hrs	6050 kHz	50 KW	ND	BALKANS
	9700 KhZ	150 KW	308	EUROPE
	12000 KhZ	500 KW	306	EUROPE
	13635 KhZ	250 KW	140	MIDDLE EAST
	13770 KhZ	100 KW	15	RUSSIA
	15245 KhZ	100 KW	15	RUSSIA
	15630 KhZ	500 KW	78	ASIA
22.00-23.00 hrs	9700 KhZ	500 KW	306	NORTH AMERICA
	11660 KhZ	250 KW	258	SOUTH AMERICA

The TEST-BROADCASTS will carry messages in the 12 languages of Radio Bulgaria - 5 minutes each in BULGARIAN, ENGLISH, FRENCH, GERMAN, SPANISH, ITALIAN, RUSSIAN, SERBIAN, GREEK, TURKISH, ALBANIAN, and ARABIC.

The TEST-BROADCASTS will be confirmed with INDIVIDUALLY NUMBERED QSL CARDS of limited edition. Reception reports on the TEST-BROADCASTS should be postmarked no later than JUNE 5, 1996, and sent to the following address:

RADIO BULGARIA
P.O.BOX 900
1000 SOFIA - C
BULGARIA

For more information tune in regularly to RADIO BULGARIA's broadcasts after May 1, 1996.

Yours Sincerely,

Atanas Tsenov
Director
Radio Bulgaria

Ivo Ivanov
Frequency Manager
Radio Bulgaria

THE VOICE OF RUSSIA WORLD SERVICE

(via Bob Thomas)

March 31st - September 29th, 1996

NEWS - EVERY HOUR ON THE HOUR (11 minutes) NEWS-IN-BRIEF - ON THE HALF HOUR (1 1/2 minutes)

MYR - Music at Your Request

ADs - Announcement of our programs for the next week

You Write to Moscow - on the air after Your Top Tune

Time UTC	Date	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY	Date	Time UTC
00.00		MAILBAG	FOCUS ON ASIA & THE PACIFIC					MAILBAG		00.00
00.30		RUSSIAN BY RADIO	THIS IS RUSSIA	MOSCOW YESTERDAY AND TODAY	THIS IS RUSSIA	MOSCOW YESTERDAY AND TODAY	THIS IS RUSSIA	AUDIO BOOK CLUB		00.30
01.00		MUSIC & MUSICIANS	U P D A T E					MUSIC & MUSICIANS		01.00
01.30			FOLK BOX	MYR	JAZZ SHOW	MYR	JAZZ SHOW			01.30
02.00		MAILBAG	NEWMARKET	SCIENCE & ENGINEERING	MAILBAG	MAILBAG	MAILBAG	MAILBAG		02.00
02.30		TIMELINES	KALEIDOSCOPE	YOUR TOP TUNE	AUDIO BOOK CLUB	RUSSIAN BY RADIO	AUDIO BOOK CLUB	YOUR TOP TUNE		02.30
03.00		NEWS AND VIEWS								03.00
03.30		OUR TREASURE CHEST								03.30
04.00		ADs	U P D A T E					ADs		04.00
04.30		JAZZ SHOW	YOURS FOR THE ASKING	MYR	FOLK BOX	KALEIDOSCOPE	TIMELINES	MOSCOW YESTERDAY AND TODAY		04.30
05.00		MAILBAG	FOCUS ON ASIA & THE PACIFIC					SCIENCE & ENGINEERING		05.00
05.30		THIS IS RUSSIA	MOSCOW YESTERDAY AND TODAY	THIS IS RUSSIA	MOSCOW YESTERDAY AND TODAY	THIS IS RUSSIA	MOSCOW YESTERDAY AND TODAY	THIS IS RUSSIA		05.30
06.00		SCIENCE & ENGINEERING	NEWMARKET	MAILBAG	NEWMARKET	SCIENCE & ENGINEERING	SCIENCE & ENGINEERING	MAILBAG		06.00
06.30		RUSSIAN BY RADIO	THIS IS RUSSIA	MOSCOW YESTERDAY AND TODAY	THIS IS RUSSIA	MOSCOW YESTERDAY AND TODAY	THIS IS RUSSIA	RUSSIAN BY RADIO		06.30
07.00		MUSIC & MUSICIANS	U P D A T E					MUSIC & MUSICIANS		07.00
07.30			YOUR TOP TUNE	M U S I C						07.30
08.00		NEWMARKET	FOCUS ON ASIA & THE PACIFIC					ADs		08.00
08.30		YOURS FOR THE ASKING	MYR	FOLK BOX	KALEIDOSCOPE	JAZZ SHOW	FOLK BOX	YOUR TOP TUNE		08.30
09.00		MAILBAG	MAILBAG	NEWMARKET	SCIENCE & ENGINEERING	MAILBAG	ADs	NEWMARKET		09.00
09.30		AUDIO BOOK CLUB	MOSCOW YESTERDAY AND TODAY	THIS IS RUSSIA	MOSCOW YESTERDAY AND TODAY	THIS IS RUSSIA	MOSCOW YESTERDAY AND TODAY	TIMELINES		09.30
10.00		SCIENCE & ENGINEERING	U P D A T E					SCIENCE & ENGINEERING		10.00
10.30		KALEIDOSCOPE	RUSSIAN BY RADIO	AUDIO BOOK CLUB	RUSSIAN BY RADIO	AUDIO BOOK CLUB	TIMELINES	KALEIDOSCOPE		10.30
11.00		NEWS AND VIEWS								11.00
11.30		MYR	FOLK BOX	FOLK BOX	JAZZ SHOW	YOURS FOR THE ASKING	MYR	THIS IS RUSSIA		11.30

Time UTC	Date	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY	Date	Time UTC
12.00		NEWMARKET	FOCUS ON ASIA & THE PACIFIC					MUSIC & MUSICIANS		12.00
12.30		RUSSIAN BY RADIO	THIS IS RUSSIA	MOSCOW YESTERDAY AND TODAY	THIS IS RUSSIA	MOSCOW YESTERDAY AND TODAY	YOUR TOP TUNE			12.30
13.00		MAILBAG	NEWMARKET	MAILBAG	MAILBAG	MAILBAG	ADs	SCIENCE & ENGINEERING		13.00
13.30		AUDIO BOOK CLUB	KALEIDOSCOPE	RUSSIAN BY RADIO	KALEIDOSCOPE	RUSSIAN BY RADIO	AUDIO BOOK CLUB	YOUR TOP TUNE		13.30
14.00		NEWS AND VIEWS								14.00
14.30		FOLK BOX	YOURS FOR THE ASKING	JAZZ SHOW	YOURS FOR THE ASKING	MYR	TIMELINES	KALEIDOSCOPE		14.30
15.00		MAILBAG	FOCUS ON ASIA & THE PACIFIC					ADs		15.00
15.30		THIS IS RUSSIA	MOSCOW YESTERDAY AND TODAY	THIS IS RUSSIA	MOSCOW YESTERDAY AND TODAY	THIS IS RUSSIA	MOSCOW YESTERDAY AND TODAY	MOSCOW YESTERDAY AND TODAY		15.30
16.00		NEWMARKET	SCIENCE & ENGINEERING	SCIENCE & ENGINEERING	MAILBAG	NEWMARKET	MUSIC & MUSICIANS	MAILBAG		16.00
16.30		MUSIC				YOUR TOP TUNE		TIMELINES		16.30
17.00		NEWS AND VIEWS								17.00
17.30		KALEIDOSCOPE	JAZZ SHOW	YOURS FOR THE ASKING	MYR	FOLK BOX	YOUR TOP TUNE	THIS IS RUSSIA		17.30
18.00		U P D A T E					NEWMARKET	ADs		18.00
18.30		MOSCOW YESTERDAY AND TODAY	THIS IS RUSSIA	MOSCOW YESTERDAY AND TODAY	THIS IS RUSSIA	MOSCOW YESTERDAY AND TODAY	THIS IS RUSSIA	MOSCOW YESTERDAY AND TODAY		18.30
19.00		MAILBAG	MAILBAG	NEWMARKET	SCIENCE & ENGINEERING	MAILBAG	ADs	NEWMARKET		19.00
19.30		OUR TREASURE CHEST								19.30
20.00		NEWS AND VIEWS								20.00
20.30		YOUR TOP TUNE	YOURS FOR THE ASKING	MYR	FOLK BOX	JAZZ SHOW	KALEIDOSCOPE	TIMELINES		20.30
21.00		FOCUS ON ASIA & THE PACIFIC					MUSIC & MUSICIANS	SCIENCE & ENGINEERING		21.00
21.30		SCIENCE & ENGINEERING	NEWMARKET	MAILBAG	MAILBAG	SCIENCE & ENGINEERING		THIS IS RUSSIA		21.30
22.00		U P D A T E					ADs	ADs		22.00
22.30		RUSSIAN BY RADIO	AUDIO BOOK CLUB	RUSSIAN BY RADIO	YOUR TOP TUNE	TIMELINES	TIMELINES	AUDIO BOOK CLUB		22.30
23.00		NEWS AND VIEWS								23.00
23.30		YOURS FOR THE ASKING	YOUR TOP TUNE	MYR	JAZZ SHOW	FOLK BOX	THIS IS RUSSIA	FOLK BOX		23.30

BEIRUT, Lebanon, April 5 (UPI) -- The U.S. Continental Electronics Corp. has been selected to modernize the state-run Radio Lebanon at a cost of $33 million, radio director Fouad Hamdan said.

He said Thursday that the Cabinet had given its go-ahead to the project Wednesday and contacts with the U.S. company would continue to finalize the deal.

Modernization of the radio is due to be completed in a year and designed to boost Radio Lebanon transmissions.

``It will then reach all Lebanese immigrants scattered in the whole world," Hamdan said, citing listeners in Europe, the American continent, Africa and Australia among the target audience.

The project involves the construction of new buildings and the installation of six new short-wave, AM and FM transmitters.

(via David R Alprt, via Rachel Baughn, Monitoring Times)

S H O W S W E L I K E

[C] Glenn Hauser 1996

UNIVERSAL S A T U R D A Y

0000+0100 KCSC OK FILM NOTES 90.1
0030-0055 Australia INDIAN PACIFIC 17795
0051-0119 Nederland RADIO ENLACE 15315 9895
0100+0130 XERMX RADIO CORREO DEL AIRE 9705 5985
0100+0200 KCSC OK SCHICKELE MIX 90.1
0130-0200 HCJB MUSICA DEL ECUADOR 9745
0200-0230 KWHR DXING WITH CUMBRE 17510
0200-0230 RFPI MAKING CONTACT 7385 6205U
0210-0230 Australia FEEDBACK 17795 13755
0230-0255 Australia INDIAN PACIFIC 17795 13755
0230-0300 BBC MERIDIAN LIVE 9895 6175 5975
0245-0300 Portugal DX PROGRAM 9570 6095 [3-wkly]
0300-0400 RFPI NEW DIMENSIONS RADIO 7385 6205U
0331-0400 BBC AFRICAN QUIZ 9600 6005 [week 1]
BBC THIS WEEK & AFRICA [other weeks]
0351-0419 Nederland RADIO ENLACE 9590 6165 6020
0400-0430 RFPI WORLD OF RADIO 7385 6205U
0430-0455 Australia INDIAN PACIFIC 11880 9580
0430-0400 RFPI MAILBAG 7385 6205U
0431-0500 BBC see 0331 9600 7160 6005
0500+0530 WHR DXING WITH CUMBRE 17780 7315 5760
0530-0600 HCJB MUSICA DEL ECUADOR 9745
0530-0600 RFPI SECOND OPINION 7385 6205U
0530-0600 BBC MUSIC REVIEW 6175 5975
0530-0600 BBC SCIENCE IN ACTION 6195
0630-0700 BBC SCIENCE IN ACTION 5975 6175
0631-0700 BBC see 0331 11835 9600 7160 6005
0630-0645 BBC NEW EUROPE 6195 [week 4]
BBC FOURTH ESTATE [other weeks]
0739-0815 HCJB DX PARTYLINE 11615
0909-0945 HCJB DX PARTYLINE 5900
1000+1028 WWCR RTE IRELAND 5065
1028+1057 WWCR WORLD OF RADIO 5065
1030-1100 VOA COMMUNICATIONS WORLD 5985
1045-1100 BBC LETTER FROM AMERICA 6195 5965
1100-1130 RFPI WORLD OF RADIO 7385 6205U
1110+1115 WWCR VIEW FROM EUROPE 15685
1130-1200 RFPI MAILBAG 7385 6205U
1200+1400 NPR WEEKEND EDITION SATURDAY +later
1215-1245 BBC SCIENCE IN ACTION 9740
1230-1300 BBC IN GOOD VOICE 15070 12095
1230-1300 VOA COMMUNICATIONS WORLD 9760 6160
1245-1250 Switz RED CROSS [5/11+4-wkly] see Fri
1245-1255 BBC INSIDER'S GUIDE 21660 17830
1245-1300 BBC LETTER FROM AMERICA 9740
1330-1345 RFPI MUNDO RADIAL 15050U 7385 6200
1330-1355 Australia FINE MUSIC 11800 5995
1406+1413 ABC PRESIDENTIAL MESSAGE 1070 1170
1430-1500 KWHR DXING WITH CUMBRE 9930
1505+1530 WIBW KS TRAVEL TALK 580
1530+1600 CBS TV SANTO BUGITO
1535+1600 CBC NQ DOUBLE EXPOSURE 9625
1605+1700 CBC NQ QUIRKS & QUARKS 9625
1605+1700 KRPT OK INDIANS FOR INDIANS 850
1605+1700 WWCR HAM RADIO & MORE 12160
1645-1650 Switz RED CROSS [5/11+4-wkly] see Fri
1700+1715 ABC PAUL HARVEY NEWS & COMMENT
1707+2000 ABC BERNIE WARD SHOW KGWA-960
1707+2000 MARIO CUOMO WKY-930
1730-1745 BBC FROM THE WEEKLIES 15070 12095
1730-1800 VOA COMMUNICATIONS WORLD 17895 15410
1800-1830 RFPI WORLD OF RADIO 15050U
1803+1833 XERMX ENCUENTRO DX 9705
1800+1900 CFRX ELVIS HOUR 6070
1830-1900 BBC SCIENCE IN ACTION 15070 12095
1830-1900 RFPI MAILBAG 15050U
1845-1850 Switz RED CROSS [5/11+4-wkly] see Fri
1900-1930 RFPI COUNTERSPIN 15050U
1900+1930 XERMX TOUR THROUGH MEXICO 9705
1900+1930 WWCR RTE IRELAND 12160
1909-1945 HCJB DX PARTYLINE 15540
1910-1930 VOA VOICES OF AFRICA 15580 15410
2000-2100 RFPI FAR RIGHT RADIO REVIEW 15050U
2005-2015 BBC WRITE ON 11750
2005-2045 BBC GREENFIELD COLLECTION 15070 12095
2007-2030 RCI INNOVATION CANADA 17820 15325
2045-2100 BBC FOURTH ESTATE 15070 12095
2100-2130 WRMI VIVA MIAMI 9955
2100-2200 RFPI RADIO NATION 15050U
2104+2129 RCI ROYAL CANADIAN AIR FARCE 15325
2115-2130 BBC FROM THE WEEKLIES 11750 5975
2130-2200 VOA COMMUNICATIONS WORLD 9760
2135-2150 RHC DXERS UNLIMITED 9550
2145-2200 BBC LETTER FROM AMERICA 11750 5975
2200-2230 RFPI DISABILITY RADIO 15050U 7385
2215+2230 Turkey DX PROGRAM 9655 {2-weekly]
2229-2258 WHRI DXING WITH CUMBRE 9495
2230-2250 Turkey THE BLUE VOYAGE 9655
2230-2300 RFPI VIETNAM VETERANS NET 15050U 7385
2231+2300 RCI MYSTERY PROJECT 13670 9755 5960
2235-2250 RHC DXERS UNLIMITED 9505U 6180
2300+2315 WWCR PRESIDENT & REPUBLICANS 9475
2300-2330 RFPI THIS WAY OUT 15050U 7385
2300+2400 KROU OK SOFTWARE/HARDTALK 105.7 106.3
2307+2357 RCI QUIRKS & QUARKS 13670 9755 5960
2330-2400 BBC ANYTHING GOES 9590 6175 5975
2330-2400 WRMI WAVESCAN/VIVA MIAMI 9955

S U N D A Y

0030-0045 BBC LETTER FROM AMERICA 9590 6175 5975
0030-0055 Australia CORRESPONDENTS REPORT 17795
0030-0100 VOA COMMUNICATIONS WORLD 11695 9455 6130
0031-0039 Spain DISTANCE UNKNOWN 9540
0040-0100 Spain AMIGOS DE ONDA CORTA 11815 6055
0100+0200 WOAI TX LARRY KING WEEKEND 1200 [irr.]
0109-0145 HCJB DX PARTYLINE 9745
0115-0126 SRI MAILBAG 9905 9885 6135 [2,4 Sat]
0131-0139 Spain DISTANCE UNKNOWN 9540
0200-0230 RFPI WORLD OF RADIO 7385 6205U
0200+0300 WWCR SPECTRUM 5065 2390
0204+0232 RCI DOUBLE EXPOSURE 13670 9755 6120
0205+0300 WGN ABC PERSPECTIVE 720
0215-0249 Germany MAILBAG ASIA 9640
0230-0255 Australia CORRESPONDENTS RPT 17795
0230-0300 BBC MUSIC REVIEW 9895 6175 5975
0230-0300 RFPI MAILBAG 7385 6205U
0232+0300 RCI ROYAL CANADIAN AIR FARCE see 0204
0235-0250 RHC DXERS UNLIMITED 9830U 9820 6000
0300+0330 WWCR WORLD OF RADIO 2390
0300-0330 RFPI COUNTERSPIN 7385 6205U
0328+0357 WHRI DXING WITH CUMBRE 5745
0330-0345 BBC FOURTH ESTATE 6195
0330-0350 BBC FROM OWN CORRESPONDENT 6175 5975
0330-0350 Turkey THE BLUE VOYAGE 9655
0330-0400 WWCR THE OLD RECORD SHOP 2390
0335-0400 BBC POSTMARK AFRICA 9600 6005

0345-0355 BBC WRITE ON 6195
0350-0400 BBC WRITE ON 6175 5975
0400-0500 RFPI FAR RIGHT RADIO REVIEW 7385 6205U
0410-0430 Australia FEEDBACK 17795 11880 9580
0415-0425 Switzerland MAILBAG 9905 9885 6130
0419-0424 China TRAVEL TALK 9730 9560
0424-0429 China COOKING & SCRAPBOOK 9730 9560
0430-0445 BBC SEEING STARS 6195 [week 1]
0430-0455 Australia CORRESPONDENTS REPORT v 0410
0430-0500 BBC SCIENCE IN ACTION 6175 5975
0431-0500 BBC ART HOUSE 9600 7160 6005
0435-0455 China MUSIC FROM CHINA 9730 9560
0435-0450 RHC DXERS UNLIMITED 9830U 6180 6000
0500-0600 RFPI RADIO NATION 7385 6205U
0509-0545 HCJB DX PARTYLINE 9745
0525-0550 Japan MEDIA ROUNDUP 6110
0531-0539 Spain DISTANCE UNKNOWN 9540
0535-0550 Austria MAILBAG 6015
0600-0630 RFPI DISABILITY RADIO 7385 6205U
0630-0700 RFPI VIETNAM VETERANS NET 7385 6205U
0635-0650 Austria MAILBAG 6015
0635-0650 RHC DXERS UNLIMITED 9830U 9505
0700-0730 RFPI THIS WAY OUT 7385 6205U
0700+0730 WWCR WORLD OF RADIO 3315
0702-0900 New Zealand SOUNDS HISTORICAL 6100
0900-0930 RFPI WORLD OF RADIO 7385 6205U
0915-0945 BBC OMNIBUS 6195
0930-1000 RFPI MAILBAG 7385 6205U
1000-1030 RFPI COUNTERSPIN 7385 6205U
1000+1030 WWCR RTE IRELAND 5065
1005+1100 ABC PERSPECTIVE 740 1150 1500=KSTP
1030+1100 KOMA OK NATIVE AMERICA SPEAKS 1520
1037+1100 Korea SHORTWAVE FEEDBACK 11715
1100-1115 TIAWR WAVESCAN 9725 7375 6150 5030
1100+1130 Kansas KS PERSPECTIVE 95.1 103.7 107.3
1100-1200 RFPI FAR RIGHT RADIO REVIEW 7385 6205U
1105+1200 ABC PERSPECTIVE KOA-850
1110-1130 VOA CRITICS CHOICE 9590 7405 6165
1110-1155 Japan HELLO FROM TOKYO 6120
1130-1200 BBC ABOUT FACE 6195 5965
1130-1200 VOA STUDIO ONE 9590 7405 6165
1130+1200 Sweden Features 11650 15240
1150-1153 Japan program previews 6120
1200-1300 RFPI RADIO NATION 7385 6205U [irr.]
1200+1400 NPR WEEKEND EDITION SUNDAY +later
1205+1300 RCI QUIRKS & QUARKS 13650 11855 9640
1205+1300 ABC PERSPECTIVE KKOB-770 NM
1215-1245 BBC ANYTHING GOES 15220 9515 6195 5965
1230-1300 VOA STUDIO ONE 9760 6160
1230-1300 BBC WORLD OF MUSIC 9740
1233+1256 RVI RADIO WORLD & MAILBAG 13605 15540
1235-1256 RFI CLUB 95-16 13625 15325 15530
1235-1300 RHC CUBA CAMPESINA [music] 11760 9550
1245-1250 Switz RED CROSS [5/12+4-wkly] see Fri
1300-1330 Norway THIS WEEK 15340
1310-1330 VOA CRITICS CHOICE 9760 6160
1311+1559 RCI SUNDAY MORNING 13650 11855
1315+ QCWA OK ARRL PROPAGATION 3855L
1330+1400 Sweden Features 15240 11650
1335-1350 RHC EN CONTACTO 11760 9550
1338-1353 Denmark RDI MONTHLY 15340 [week 1]
1400+1430 XERMX MAILBAG 9705
1401-1430 BBC FINE TUNING 17840 15220 11865 9515
1425-1450 Japan MEDIA ROUNDUP 11705 9535
1430-1445 BBC MASTERSINGERS 17840 15220 11865 9515
1438-1453 Denmark RDI MONTHLY 15340 [week 1]
1445-1455 BBC WRITE ON 9740
1445-1456 China LISTENERS' LETTERBOX 7405
1445-1500 BBC SEEING STARS see 1401 [week 1]
1445-1500 BBC LETTER FROM AMERICA 17830 15070
1501-1530 BBC ART HOUSE 17830
1505-1525 BBC OWN CORRESPONDENT 17840 11865 9515
1506+1600 KROU OK BRIDGES 105.7 106.3
1510-1555 Japan HELLO FROM TOKYO 9535
1530-1550 BBC FROM OWN CORRESPONDENT 15070 12095
1530-1600 BBC ABOUT FACE 17840 15220 11865 9515
1538-1553 Denmark RDI MONTHLY 11840 [week 1]
1550-1553 Japan program previews 9535
1600-1630 Norway THIS WEEK 11840
1615-1645 BBC JAZZ SCORE 17840
1638-1653 Denmark RDI MONTHLY 15340 11840 [1]
1645-1700 BBC SOUNDBYTE 17830
1645-1650 Switz RED CROSS [5/12+4-wkly] see Fri
1706+1959 ABC BERNIE WARD WKY-930 KGWA-960 &&
1710-1730 VOA VOICES OF AFRICA 17895 15410
1715-1730 BBC CLASSICAL RECORD NEWS 17840
1725-1750 Japan MEDIA ROUNDUP 9535
1730-1800 VOA MUSIC TIME IN AFRICA 17895 15410
1800+1830 WWCR WORLD OF RADIO 12160
1800+1830 XERMX RADIO CORREO DEL AIRE 9705 5985
1800+1900 WWCR INTERNET CONNEXION 9475
1830-1900 KWHR DXING WITH CUMBRE 13625 [irr.,v]
1845-1850 Switz RED CROSS [5/12+4-wkly] see Fri
1930-2000 VOA MUSIC TIME IN AFRICA-2 15580 15410
1935-1955 Neth SINCERELY YOURS 17605 15315
2000+2030 WWCR RTE IRELAND 12160
2006+2030 RCI ARTS IN CANADA 17820 15325 13650
2009+2200 CBC CROSS COUNTRY CHECKUP 9625
2030-2100 WRMI VIVA MIAMI 9955
2030+2100 WWCR KEN'S COUNTRY CLASSIX 9475
2045-2055 BBC WRITE ON 15070 12095
2100+2130 WWCR THE OLD RECORD SHOP 9475
2104+2125 RCI MAILBAG 17820 15325 13650 11690
2110-2130 VOA NEW HORIZONS 17725 15580
2115-2130 RHC MAILBAG 9550
2115-2145 BBC FINE TUNING 11750 5975
2130-2145 RHC BREAKTHROUGH 9550
2130+2200 WWCR WORLD OF RADIO 9475
2130-2200 VOA STUDIO ONE 9760
2130-2200 VOA ISSUES IN NEWS 17725 15580 15410
2138-2153 Denmark RDI MONTHLY 9590 [week 1]
2145-2200 BBC MASTERSINGERS 11750 5975
2155-2210 RHC EN CONTACTO 11760 9830U
2200-2300 RFPI FAR RIGHT RADIO REVIEW 15050U
2206+2300 WWCR HAM RADIO & MORE 7435 12160
2215-2230 RHC MAILBAG 9505U 6180
2230-2245 BBC LETTER FROM AMERICA 15400 11835
2231+2300 RCI NOW THE DETAILS 13670 9755 5960
2235-2325 Ned ESTACION ALEGRIA 15315 11680
2300-2315 TIAWR WAVESCAN 15460 13725 9725
2300-2330 RFPI WORLD OF RADIO 15050U 7385
2305+2400 RCI GLOBAL VILLAGE 13670 9755 5960
2333+2355 BELGIUM RADIO WORLD+MAILBAG 9925
2338-2353 Denmark RDI MONTHLY 9485 [week 1]
2348-2417 Ned RADIO ENLACE 15315 11715 9895

M O N D A Y

0000+0030 XERMX ENCUENTRO DX 5985 9705
0000+0040 KCSC OK BANDSTAND 90.1
0000+0100 WWCR FULL DISCLOSURE LIVE 5065
0006+0159 BEYOND THE BELTWAY WBAP-820 WLS-890

0025-0030 Ned PROGRAMME INFO 9845 6165 6020
0030-0045 WRMI WAVESCAN 9955
0037-0055 RN SINCERELY YOURS 9845 6165 6020
0038-0053 Denmark RDI MONTHLY 7465 [1st Sun]
0043-0055 Spain RADIO CLUB 9540
0045-0056 China LISTENERS' LETTERBOX 9710
0100-0115 WRMI WAVESCAN 9955
0100-0130 Norway THIS WEEK 9560
0105+0130 RCI ARTS IN CANADA 13670 9755 6120
0107-0117 DW MAILBAG/DX[4th Sun] 6040 6085 9640
0110-0130 VOA NEW HORIZONS 13740 9455 7405 5995
0125-0150 Japan MEDIA ROUNDUP 5960
0130-0145 BBC SEEING STARS [week 1] 9590 6175
0130+0150 RCI MAILBAG 13670 9755 9535 6120
0130-0200 VOA ISSUES IN NEWS 9775 6130 5995
0138-0153 Denmark RDI MONTHLY 9560 7465 [1 Sun]
0143-0155 Spain RADIO CLUB 9540
0204+0239 WGN HARRY SHEARER'S LE SHOW 720
0205+0300 KTOK OK ABC PERSPECTIVE 1000
0207+0500 CBC DREAMLAND W/ART BELL KSTP-1500 &&
0210+0300 WHO REJECTION SLIP THEATRE 1040
0230-0300 Sweden features 7290
0230-0300 BBC ABOUT FACE 9895 6175 5975
0231+0300 RCI NOW THE DETAILS 13670 9755 6120
0236-0325 Ned ESTACION ALEGRIA 9590 6165 6020
0238-0253 Denmark RDI MONTHLY 9560 7465 [1 Sun]
0300+0400 Mexico HORA NACIONAL 9705 6185 1050
0300+0400 WWCR EXTRAORDINARY SCIENCE 5065
0300+0500 Oldies-103.7 KS DR DEMENTO
0305+0500 WMAQ OLDTIME RADIO 670
0306+0500 KRLD FAMILY HISTORY SHOW 1080
0306+0500 KMOX TRIVIA SHOW 1120
0307-0317 DW MAILBAG/DX[4th Sun] 6085 9640
0330-0400 BBC IN GOOD VOICE 6175, 5975
0330-0400 Sweden features 7115
0330-0400 KWHR DXING WITH CUMBRE 17510
0338-0353 Denmark RDI MONTHLY 7465 [1 Sun]
0339-0354 RHC EN CONTACTO 11760 9550 5965
0345-0356 China LISTENERS' LETTERBOX 9710 9690
0348-0417 Ned RADIO ENLACE 9590 6165 6020
0400-0430 Norway THIS WEEK 7465
0400+0430 XERMX MAILBAG 5985 9705
0400+0500 WWCR HAM RADIO & MORE 5065
0406+0500 WBAP ABC PERSPECTIVE 820
0430-0457 New Zealand MAILBOX 15115 [5/6+alt]
0437-0455 Neth SINCERELY YOURS 9590 6165 6020
0438-0453 Denmark RDI MONTHLY 7465 [1st Sun]
0445-0456 China LISTENERS' LETTERBOX 9730 9560
0445-0500 Bulgaria BULGARIA CALLING 11720 9700
0500+0600 WWCR ROCK THE UNIVERSE 3315
0507-0517 DW MAILBAG/DX[4th Sun] 5960 6185
0600+0630 WWCR THE OLD RECORD SHOP 3315
0605+0700 KTOK OK ABC PERSPECTIVE 1000
0615-0630 BBC SOUNDBYTE 6195 9410 12095 15070
0630+0700 WWCR KEN'S COUNTRY CLASSIX 3315
0700-0730 RFPI WORLD OF RADIO 7385 6205U
0800+0900 WWCR SPECTRUM 3315
0905+1000 WWCR HAM RADIO & MORE 3315
1000-1030 HCJB CLASSICAL FAVORITES 5900
1030-1100 BBC COMPOSER OF MONTH 6195 5965
1130-1200 BBC JAZZ SCORE 15220 6195 5965
1130+1200 WWCR WORLD OF RADIO 15685
1208+1233 RCI DOUBLE EXPOSURE 13650 11855 9640
1230-1300 BBC WORLD OF MUSIC 15070 12095
1234+1300 RCI R C AIR FARCE 13650 11855 9640
1430-1500 BBC OMNIBUS 17840 15220 11865 9515
1515-1600 BBC GREENFIELD COLLECTION same
1530-1545 RFPI MUNDO RADIAL 15050U 7385 6200
1615-1630 KTWR PACIFIC DX REPORT 11580
1615-1645 BBC MERIDIAN 17840
1715-1745 BBC COMPOSER OF MONTH 17840
1800-1830 RFPI COUNTERSPIN 15050U
1952-2024 Ned RESEARCH FILE 17605 15315
2000+2100 KROU OK AUDIOPHILE AUDITION 105.7
2000-2100 RFPI ALTERNATIVE RADIO 15050U
2030+2100 WWCR WORLD OF RADIO 15685
2030-2100 HCJB CLASSICAL FAVORITES 15540
2030-2100 BBC MERIDIAN 11750
2130-2148 DW SCIENCE & TECH 15135 11765 9735
2130-2200 RFPI FOOD/MICRO RADIO 15050U
2230+2250 Turkey OTTOMAN HAREMS 9655
2315-2330 BBC RECORD NEWS 11750 9590 6175

T U E S D A Y

0015-0030 WRMI WAVESCAN 9955
0052-0124 Ned RESEARCH FILE 9845 6165 6020
0115-0145 Spain SEPHARDIC SHOW 11775
0200-0230 RFPI COUNTERSPIN 7385 6205U
0200+0300 KCSC OK BRAVO BAROQUE 90.1
0230-0300 HCJB CLASSICAL FAVORITES 9745
0230-0300 BBC MERIDIAN 9895 6175 5975
0330+0350 Turkey OTTOMAN HAREMS 9655
0400-0500 RFPI ALTERNATIVE RADIO 7385 6205U
0415-0445 Spain SEPHARDIC SHOW 9690
0452-0524 Ned RESEARCH FILE 9590 6165 6020
0530-0500 BBC OMNIBUS 6175 5975
0615-0700 BBC GREENFIELD COLLECTION 6175 5975
0630-0700 BBC ANYTHING GOES 6195 9410 12095
0630-0700 HCJB CLASSICAL FAVORITES 9745
0900-0930 RFPI COUNTERSPIN 7385 6205U
0930-1000 RNZI RUDI HILL 6100 [5/7+4-wkly]
1030-1100 BBC IN GOOD VOICE 6195 5965
1100-1200 RFPI ALTERNATIVE RADIO 7385 6205U
1130-1200 RNZI ON THE MARCH 6100
1143-1155 Japan CULTURE TODAY 6120
1145+1200 Sweden MEDIASCAN 11650 15240 [1,3]
1230-1251 Indonesia KANGAROO TOO 9680 [irr.]
1230+1300 WWCR WORLD OF RADIO 15685
1230-1300 BBC JAZZ SCORE 15070 12095
1300-1315 WRMI WAVESCAN 9955
1345+1400 Sweden MEDIASCAN 11650 15240 [1,3]
1352-1424 Ned MIRROR IMAGES 9890 13700 15150
1401-1430 BBC ON SCREEN 17830 21660
1430-1500 BBC DISCOVERY 9740
1443-1455 Japan CULTURE TODAY 11705 9535
1445-1456 China LISTENERS' LETTERBOX 7405
1500+1530 XERMX MAILBAG 9705
1530-1600 BBC DISCOVERY 17840 15220 11865
1615-1645 BBC ON SCREEN 17840
1800-1900 RFPI FAR RIGHT RADIO REVIEW 15050U
1830-1900 BBC JAZZ SCORE 17840 15070 12095
1852-1924 Ned MIRROR IMAGES 17605 15315
2000+2030 XERMX CREATORS MEX ART 9705 5985
2030-2100 BBC ON SCREEN 11750
2030+2100 WWCR MUSIC & DANCING 15685
2130-2145 BBC CALLING FALKLANDS 11680
2130-2200 BBC DISCOVERY 11750 5975
2135-2150 RHC DXERS UNLIMITED 9550
2235-2250 RHC DXERS UNLIMITED 9505U 6180
2352-2424 Ned MUSIC 52/15 9845 6165 6020

W E D N E S D A Y

0015-0030 WRMI WAVESCAN 9955
0052-0124 Ned MIRROR IMAGES 9845 6165 6020
0130-0148 DW COME TO GERMANY 6040 6085 9640
0135-0150 RHC DXERS UNLIMITED 9820 6000
0145-0200 Sweden MEDIASCAN 7290 [1,3 Tue]
0200-0300 RFPI FAR RIGHT REV LIVE 7385 6205U
0230-0300 BBC ON SCREEN 9895 6175 5975
0245-0300 Sweden MEDIASCAN 7290 [1,3 Tue]
0300-0330 RFPI WORLD OF RADIO 7385 6205U
0330-0348 DW INSIGHT 6085 6185 9535 9640
0330-0400 RFPI MAILBAG 7385 6205U
0335-0350 RHC DXERS UNLIMITED 9830U 9820 6000
0345-0400 Sweden MEDIASCAN 7115 [1,3 Tue]
0345-0356 China LISTENERS' LETTERBOX 9690 9710
0445-0456 China LISTENERS' LETTERBOX 9730 9560
0452-0524 Ned MIRROR IMAGES 9590 6165 6020
0530-0548 DW COME TO GERMANY 5960 6185 9515
0530-0600 BBC COMPOSER OF MONTH 6175 5975
0535-0550 RHC DXERS UNLIMITED 9505 9830U
0543-0555 Japan ASIAN REPORT 6110
0700-0715 HCJB THE LATEST CATCH 11615
0752-0824 Ned DOCUMENTARY 9720 9700
0800-0830 HCJB HAM RADIO TODAY 11615
0900-1000 RFPI FAR RIGHT REVIEW 7385 6205U
0930-1000 HCJB HAM RADIO TODAY 5900
0952-1024 Ned DOCUMENTARY 9720
1000-1030 RFPI WORLD OF RADIO 7385 6205U
1030-1045 HCJB THE LATEST CATCH 5900
1130-1155 Australia SCIENCE REPORT 9860 9580
1143-1155 Japan ASIAN REPORT 6120
1215-1245 BBC VINTAGE CHART SHOW 15220 9515
1230-1300 BBC COMPOSER OF MONTH 15070 12095
1330-1355 Australia BLACKTRACKER 5995 11800
1352-1424 Ned DOCUMENTARY 9890 13700 15150
1401-1430 BBC DISCOVERY 17830 21660
1430-1500 BBC OMNIBUS 9740
1443-1455 Japan ASIAN REPORT 11705 9535
1500+1530 XERMX TOUR THRU MEXICO 9705
1515-1530 BBC SOUNDBYTE 17840 15220 11865
1530-1555 Australia SCIENCE REPORT 11800
1530-1600 BBC ABOUT FACE 15070 12095
1715-1745 BBC IN GOOD VOICE 17840
1800-1830 RFPI SECOND OPINION 15050U
1830-1900 BBC ANYTHING GOES 17840
1830-1900 BBC DISCOVERY 15070 12095
1840-1850 RFPI REPORT FROM DESERT 15050U
1900-1930 RFPI THIS WAY OUT 15050U
1930-2000 BBC ASSIGNMENT 17830
1930-2000 HCJB HAM RADIO TODAY 15540
1930+2000 KKSU KS SOFTWARE HARDTALK 580
1952-2024 Ned DOCUMENTARY 17605 15315
2000-2015 HCJB THE LATEST CATCH 15540
2000+2030 XERMX TOUR THRU MEXICO 9705 5985
2100+2115 WWCR MUNDO RADIAL 15685
2130-2200 BBC ASSIGNMENT 11750 5975
2130-2200 BBC ON SCREEN 15070 12095
2130-2200 RFPI VIETNAM VETERANS 15050U

T H U R S D A Y

0015-0030 WRMI WAVESCAN 9955
0030-0045 BBC OWN CORRESPONDENT 9590 6175
0052-0124 Ned DOCUMENTARY 9845 6165 6020
0130-0200 HCJB HAM RADIO TODAY 9745
0200-0215 HCJB THE LATEST CATCH 9745
0200-0230 RFPI SECOND OPINION 7385 6205U
0235-0244 Argentina DX PROGRAM 11710
0240-0250 RFPI REPORT FROM DESERT 7385 6205U
0300-0330 RFPI THIS WAY OUT 7385 6205U
0330-0350 BBC NEW IDEAS 6195
0410-0445 Colombia SONES DE UN SONERO 4955
0445-0500 BBC FROM OWN CORRESPONDENT 6195
0452-0524 Ned DOCUMENTARY 9590 6165 6020
0530-0600 BBC ASSIGNMENT 6195 6175 5975
0530-0600 HCJB HAM RADIO TODAY 9745
0600-0615 HCJB THE LATEST CATCH 9745
0752-0824 Ned MEDIA NETWORK 9720 9700
0800-0830 HCJB COOKING IN ANDES 11615
0830-0900 RNZI MAILBOX 6100 [5/9+2-wkly]
0905-0933 RNZI ON THE MARCH 6100
0930-1000 HCJB COOKING IN ANDES 5900
0952-1024 Ned MEDIA NETWORK 9720
1030-1100 BBC ON SCREEN 6195 5965
1130-1145 BBC OWN CORRESPONDENT 6195 5965
1130+1200 WWCR KEN'S COUNTRY CLASSIX 15685
1143-1155 Japan CROSSCURRENTS 6120
1215-1245 BBC ASSIGNMENT 15220 9515 5965
1230-1245 BBC FROM OWN CORRESPONDENT 17830
1352-1424 Ned MEDIA NETWORK 9890 13700 15150
1443-1455 Japan CROSSCURRENTS 11705 9535
1500+1530 XERMX MEXICAN ART 9705
1730-1745 BBC OWN CORRESPONDENT 15070 12095
1830-1900 BBC ASSIGNMENT 15070 12095
1900-2000 RFPI ALTERNATIVE RADIO 15050U
1901-1930 BBC ART HOUSE 17830
1930-2000 HCJB COOKING IN ANDES 15540
1952-2024 Neth MEDIA NETWORK 17605 15315
2000-2030 RFPI FOOD/MICRO RADIO 15050U
2000+2030 XERMX MAILBAG 9705 5985
2030+2100 WWCR WORLD OF RADIO 15685
2130-2200 BBC WORLD OF MUSIC 15400 11835
2130-2230 RFPI SECRET GLOBAL TRADE 15050U
2315-2330 BBC SOUNDBYTE 11750 9590 6175 5975

F R I D A Y

0015-0030 WRMI WAVESCAN 9955
0045-0056 China CULTURAL SPECTRUM 9710 11760
0052-0124 Neth MEDIA NETWORK 9845 6165 6020
0130-0148 DW ARTS ON AIR 6040 6085 9640
0230-0300 HCJB COOKING IN ANDES 9745
0300-0400 RFPI ALTERNATIVE RADIO 7385 6205U
0330-0348 DW SCIENCE & TECH 6085 6185 9640
0345-0356 China CULTURAL SPECTRUM 9710 9690
0400-0430 RFPI FOOD/MICRO RADIO 7385 6205U
0430-0457 RNZI CALLING PITCAIRN/RUDI 15115
0445-0456 China CULTURAL SPECTRUM 9730 9560
0452-0524 Ned MEDIA NETWORK 9590 6165 6020
0530-0548 DW ARTS ON AIR 5960 6185 9515
0530-0555 Australia BEAT OF PACIFIC 11880 9580
0530-0600 HCJB COOKING IN ANDES 9745
0530-0630 RFPI SECRET GLOBAL TRADE 7385 6205U
0615-0630 BBC SEEING STARS 6175 5975 [week 2]
0800-0830 HCJB MUSICA DEL ECUADOR 11615
0852-0924 Ned DOCUMENTARY 9720
0930-1000 HCJB MUSICA DEL ECUADOR 5900
1000-1100 RFPI ALTERNATIVE RADIO 7385 6205U
1030-1100 BBC WORLD OF MUSIC 6195 5965
1100-1130 RFPI FOOD/MICRO RADIO 7385 6205U
1130+1200 WWCR THE OLD RECORD SHOP 15685

1215-1235 BBC NEW IDEAS 15220 9515 5965
1229+1235 KOSU OK FROSTY TROY 91.7
1230+1300 KTBN JOY OF MUSIC 7510 & TV
1230-1300 BBC SCIENCE IN ACTION 15070 12095
1235-1245 BBC INSIDER'S GUIDE 15220 9515
1245-1250 Switz RED CROSS 13635 15415 17515
[5/10, 6/7, 7/5, 8/2, 8/30, 9/27, 10/25]
1315-1330 WRMI WAVESCAN 9955
1330-1355 Australia MUSIC DELI 5995 11800
1401-1430 BBC SCIENCE IN ACTION 17830 21660
1430-1500 BBC SCIENCE IN ACTION 17840 15220
1452-1524 Ned DOCUMENTARY 9890 13700 15150
1500+1530 XERMX TOUR THRU MEXICO 9705
1505-1515 BBC WRITE ON 17840 11865 9515
1515-1600 BBC CONCERT HALL 17840 11865 15220
1615-1645 BBC MERIDIAN LIVE 17840
1615-1645 BBC AFRICAN PERSPECTIVE 17830
1645-1650 Switz RED CROSS 12075 13635 15530
[4-wkly; see 1245; also Sat, Sun]
1705+1805 KOSU OK BROADWAY MUSICALS 91.7
1715-1745 BBC VINTAGE CHART SHOW 17840
1730-1740 BBC INSIDER'S GUIDE 15070 12095
1800-1830 RFPI MAKING CONTACT 15050U
1800+2000 NPR TALK OF NATION SCIENCE FRIDAY
1830-1900 BBC WORLD OF MUSIC 17840
1845-1850 Switz RED CROSS 9885 12075 13635
[see 1245, 1645]
1852-1924 Neth DOCUMENTARY 17605 15315
1900-2000 RFPI NEW DIMENSIONS 15050U
1900+1930 KKSU KS K-STATE PERSPECTIVE 580
1901-1930 BBC AFRICAN QUIZ [week 1] 17830
BBC AFRICAN PERSPECTIVE [others]
1930-2000 BBC ABOUT FACE 17830
1930-2000 RNZI MAILBOX [5/10+2-wkly] 9810
1930-2000 HCJB MUSICA DEL ECUADOR 15540
1930+2000 KKSU KS SOUNDPRINT 580
1945+2000 Bulgaria CALLING 11720 9700
2000-2030 RFPI WORLD OF RADIO 15050U
2000+2100 KROU OK FILM NOTES 105.7 106.3
2030-2100 RFPI MAILBAG 15050U
2030-2100 BBC MERIDIAN 11750
2110+2115 WWCR VIEW FROM EUROPE 15685
2115+2145 WWCR WORLD OF RADIO 15685
2129+2135 KOSU OK FROSTY TROY 91.7
2130-2145 BBC BBC CALLING FALKLANDS 11680
2130-2200 RFPI SECOND OPINION 15050U
2210-2230 Australia FEEDBACK 17860
2215+2245 WWCR WORLD OF RADIO 9475
2230+2300 WHRI DXING WITH CUMBRE 5745
2251-2319 Ned RADIO ENLACE 15315 11680
2315-2325 BBC INSIDER'S GUIDE 9590 6175
2345+2400 Bulgaria CALLING 7480 9700
2352-2424 Ned DOCUMENTARY 9845 6165 6020

M U L T I - D A Y

0010-0030 VOA CARIBBEAN RPT 11695 9455 6130 Tu-Sa
0045-0100 BBC BRITAIN TODAY 9590 6175 5975
0055-0100 Spain PROGRAM SKED 9540
0100+0200 WOAI LARRY KING 1200 Tu-Sa irr
0105+0200 WWCR GOLDEN AGE OF RADIO 7435 Tu-Sa
0130-0155 BBC OUTLOOK 9590 6175 5975 Tu-Sa
0200+0400 WGN EXTENSION 720 Tu-Sa
0205+0300 CBC IDEAS 990 540 Tu-Sa
0207+0500 WOE JIM BOHANNON KGWA-960 && Tu-Sa
0209+0300 WHO GOLDEN AGE OF RADIO 1040 Tu-Sa
0230-0235 RFPI JIM HIGHTOWER 7385 6205U Tu-Sa
0305+0600 KOA GREG DOBBS SHOW 850 Tu-Sa
0330-0345 BBC WORLD TODAY 6175 5975
0430-0455 BBC OUTLOOK 6175 5975 Tu-Sa
0430-0500 Switzerland features 9905
0500-0630 RNZI CHECKPOINT 9570 M-F
0615-0630 BBC WORLD TODAY 6195 12095 Tu-Sa
0630-0730 RFPI UNIVERSITY OF AIR 7385 W-Sa
0755-0800 RFPI SPIRITUAL AWAKENINGS 6205U
0805+0820 WJR PAUL HARVEY 760 Tu-Su
0825-0830 Neth PROGRAMME INFO 9720
0930+0950 KOA COMEDY 850
1105-1130 BBC CARIBBEAN RPT 15220 6195 M-F
1205+1300 RCI AS IT HAPPENS 13670 11855 Tu-F
1210-1215 BBC CARIBBEAN RPT 15220 6195 M-F
1215-1230 BBC BRITAIN TODAY 9740 M-F
1300-1400 BBC NEWSHOUR 15220 11865 9515 5965
1405-1430 BBC OUTLOOK 17840 15220 11865 M-F
1425-1430 Neth PROGRAMME INFO 9890
1500-1530 BBC EAST ASIA TODAY 9740 M-F
1635+1800 WWCR WORLDWIDE COUNTRY 12160 M-F
1645-1700 BBC BRITAIN TODAY 15070 17840 Su-F
1645-1700 BBC WORLD TODAY 17830 M-F
1649-1652 WSHB LETTERBOX 17510 M-F [+hourly]
1706-1800 VOA TALK TO AMERICA 17895 15410 M-F
1710-1725 BBC WORLD TODAY 15070 12095 M-F
1830-1835 RFPI JIM HIGHTOWER 15050U M-F
1900-2000 BBC NEWSHOUR 15070 12095
1925-1930 Neth PROGRAMME INFO 17605 15315
2000-2100 BBC NEWSHOUR 17830
2005-2030 BBC OUTLOOK 11750 M-F
2115-2130 BBC CARIBBEAN RPT 17715 15390 M-F
2115-2130 BBC WORLD TODAY 11750 M-F
2115-2130 BBC BRITAIN TODAY 17830 15070 12095
2118-2119 WWV PROPAGATION INFO 10000 [+hourly]
2130+2200 CBC NQ NORTHERN NEWS 9625 M-F
2200+2230 RCI WORLD AT SIX 13670 9755 5960
2230-2330 RFPI UNIV OF AIR 15050U 7385 Tu-F
2230+0100 RCI AS IT HAPPENS see 2200 M-F
2355-2400 RFPI SPIRITUAL AWAKENINGS 15050U

NOTES; [+] between times means expected shift one UT hour later after DST. Also applies to some, not all BBC pgms. BBC info based on April listings--titles evolve but generally same type of program in a given period. Fqs are best but not necessarily only on any given line. Especially with BBC check adjacent lines or BIE. 17840, tho scheduled and previously until 1900, has been closing recently at 1800, but 1830 programs are still listed in case re-extended. No attempt made to include Voice of Russia as full sked appears elsewhere in this issue. Yes, gh now has computer! E-mail to be established...

BROADCASTS IN ENGLISH
audible in North America
compiled by John Norfolk
from gh sources

ALASKA KNLS NAE
0800-0900 C 9615
1300-1400 C 7365

ALBANIA Radio Tirana
0145-0156 B 7160 6140
0230-0300 B 7160 6140

ALGERIA RTVA
1800-1900 C 15205 15160 11715
2000-2100 C 15160 11715

ANGOLA Radio Nacional
2000-2100 C 9535

ARGENTINA RAE
0200-0300 C 11710 Tue-Sat

ARMENIA Voice of Armenia
2030-2100 C 11615 9965

AUSTRALIA Radio Australia
0030-0100 C 17795
0100-0400 C 17795 13755
0400-0600 C 17795 11880 9660 9580
0600-0730 C 11880 9580 9860
0730-1230 B 9860 9580 [& 7240 0900-1130]
1230-1700 B 11880 5995
1700-2130 C 11880 9860
2130-2400 C 17860 17795

AUSTRIA Radio Austria Int'l
0130-0200 C 9655
0230-0300 C 13730 9870 9655
0530-0600 A 6015
0630-0700 A 6015
1130-1200 C 13730 1530-1600 C 11780
1930-2000 C 13730 9665 1730-1800 C 11780 9665

BANGLADESH Radio Bangladesh
1230-1300 C 9650 7185

BELGIUM Radio Vlaanderen Int'l
1230-1255 C 13605 Sun 15540
1300-1325 C 15540 13605 Mon-Sat
2330-2355 C 9925

BRAZIL Radio Bras
1200-1320 C 15445

BULGARIA Radio Bulgaria
0400-0500 B 11720 9700
1900-2000 C 11720 9700
2100-2200 C 11720 9700
2300-2400 B 9700 7480

CAMBODIA National Voice of Cambodia
0000-0015 D 11940v
1200-1215 C 11940v

CANADA CFRX Toronto
24 hours C 6070

CANADA CFCX Montreal
24 hours C 6005 EG or FR

CANADA Radio Canada Int'l
0100-0200 A RCI 13670* 11715* 9755 9535* 6120 [* -0130 Tue-Sat, -0200 Sun-Mon]
0200-0230 A Peacekeepers 11725 9535 6120 Tue-Sat
0200-0300 A CBC 13670 9755 [& 11715 9535 6120 Sun-Mon]
0400-0430 C RCI 15275 11905 11835
0500-0530 C Peacekeepers 17840 15430 7205 6050 Mon-Fri
1200-1300 A CBC 13650 11855 9640
1300-1400 A CBC 13650 11855 9640 Mon-Fri
1300-1400 C RCI 21455 15325 11935 [& 17820 Mon-Sat]
1300-1600 A CBC 13650 11855 Sun
1330-1400 C RCI 21455 15325 11935 [& 17820 Mon-Sat]
1645-1700 B RCI 17820 15325 11935 9555
2000-2100 B RCI 17870 17820 15325 15150 13670 13650 11690 7235 5995
2100-2130 B CBC 17820 15325 15150 13670 13650 11690 7235 5995
2200-2230 A CBC/RCI 15305 13740
2200-2300 A CBC 13670 9755 5960
2300-2330 A CBC 15305 11940 Mon-Fri
2300-2400 A CBC 15305 13670 9755 5960 Sat-Sun

CHINA China Radio Int'l
0000-0100 B 11760 9710
0300-0400 B 11760 9710 9690
0400-0500 B 9730 9560
1400-1600 B 7405 [should be at 1300-1500 soon]
2000-2130 C 15110 11715

COSTA RICA Radio For Peace Int'l
1700-1200 B some of 15050U 7385 6205U

COSTA RICA TIAWR [probably not all at once]
1100-1300 C 15460 13750 9725 7375 6150 5030
1700-1800 C 15460 13750 9725 7375 6150 5030 Sat-Sun
2300-0100 C 15460 13750 9725 7375 6150 5030

COSTA RICA TIFC
0300-0400 C 5055

CROATIA Croatian Radio Zagreb
0000-0010 B 13830 7315 5895
0100-0110 B 13830 7315 5895
0200-0210 B 13830 7315 5895
0300-0310 B 13830 7315 5895
0400-0410 B 13830 7315 5895
0500-0510 B 13830 7315 5895
0600-0610 C 7315
2300-2310 B 13830 7315 5895

CUBA Radio Havana
0100-0500 B 9830U 9820 6000 [& 6180 0400-]
0500-0700 B 9830U 9505
2100-2200 B 9550
2200-2300 B 9505U 6180

CZECH REPUBLIC Radio Prague
0000-0030 B 7345 5930
0100-0130 B 7345 6200
0300-0330 B 7345 5930
2230-2257 C 11600 9430

DENMARK Radio Denmark (via Norway)
0038-0055 C 7465 Mon after 1st Sun
0138-0155 C 9560 7465 Mon after 1st Sun
0238-0255 C 9560 7465 Mon after 1st Sun
0338-0355 C 7465 Mon after 1st Sun
0438-0455 C 7465 Mon after 1st Sun
1038-1055 C 15220 1st Sun
1238-1255 C 11840 1st Sun
1338-1355 C 15340 1st Sun
1448-1455 C 15340 1st Sun
1538-1555 C 11840 1st Sun
1638-1655 C 15340 11840 1st Sun
2238-2255 C 11840 1st Sun
2338-2355 C 7490 1st Sun

ECUADOR HCJB
0030-0700 A 9745

0700-0830 C 11615
0700-1130 C 5900
1100-1600 B 15115 [& 12005 -1500]
1900-2200 C 15540

EGYPT Radio Cairo
0200-0330 B 11600 9475
1215-1330 C 17595
1630-1830 C 15255
2030-2200 C 15375
2115-2245 C 9900
2300-2430 C 9900

ETHIOPIA Radio Ethiopia
1030-1100 D 9705 5990 Mon-Fri
1600-1700 D 9560 7165

FINLAND Radio Finland [Freq info 1-800-221-9539
1130-1200 B 15400 11900 in the USA]
1230-1300 B 15400 11900

FRANCE Radio France Int'l
1200-1300 B 15530 15325 13625
1400-1500 B 17560
1600-1700 B 15530 12015 11700 11615 [& 15460 15210 -1730]

GERMANY Deutsche Welle
0100-0150 A 11740 9640 6145 6085 6040
0200-0250 B 9640
0300-0350 A 9640 9615 9535 6185 6085
0500-0550 A 9515 6185 6045 5960
0900-0950 B 6160
2100-2150 C 15135 11765 9735
2300-2350 C 9690

GREECE Voice of Greece
0130-0150 B 9420 7448 6260 Mon-Sat
0340-0350 B 9420 7448 6260 Mon-Sat
1335-1350 B 15685 15175 or 15170

GUAM KSDA
1000-1100 C 9370
1030-1100 C 9530
1330-1400 C 9650
1600-1700 C 7395
1730-1800 C 9370
2130-2200 C 15310
2300-2400 C 11775

GUAM KTWR
0755-0915 C 15200
0855-1000 C 11835
1500-1630 C 11580

GUATEMALA TGNC
0300-0430 C 3300 [Sun 2345-]

HAWAII KWHR NAE
0400-0800 C 17880
0800-1600 C 9930
1600-1800 D 6120
1900-2000 C 13625
2000-2200 C 15405
2200-0400 C 17510

HUNGARY Radio Budapest
0100-0130 B 11870? 9850? 6190?
0230-0300 B 11870? 9850? 6190?

INDIA All India Radio
1000-1100 C 17890 17387 15050 13700
1330-1500 C 13750U 11620
1745-1945 C 15075 13750U 11935 11620 9950 9650 7410
2045-2230 C 15225 11715 11620 9950 9910 7410
2245-2445 C 15145 13700 11620 9950 9705

INDONESIA RRI Jakarta
1230-1250 C 9680 Tue

INDONESIA Voice of Indonesia
0100-0200 D 9675
0800-0900 D 9675 9525?
2000-2100 D 9680 9525

IRAN Radio Tehran
0030-0130 C 9022 6015
1130-1230 C 15260 11930 11875
1530-1630 D 9635 7290
1930-2027 C 9022 7260
2126-2226 C 6175

IRELAND Radio Telefis Eireann [via WWCR]
0900-0930 B 5065 Mon-Fri
1000-1030 B 5065 Sat-Sun
1830-1900 B 12160 Mon-Fri
1900-1930 B 12160 Sat
2000-2030 B 12160 Sun

ISRAEL Kol Israel
0400-0415 C 17545 9435 7465
1400-1430 C 15615 12077
1900-1930 C 15640 15615 11605 9435 7465

ITALY RAI
0050-0110 B 11800 9675 6005

JAPAN NHK Radio Japan
0100-0200 A 5960
0500-0600 B 11895 6110
1100-1200 B 6120
1400-1600 B 9535 [& 11705 -1500]
1700-1800 C 9535
1900-2000 C 9535

JORDAN Radio Jordan
1100-1200 C 11970
1400-1630 C 11970

KAZAKHSTAN Radio Almaty
0530-0600 C 11705

KOREA NORTH Radio Pyongyang
0000-0050 C 15130 13760 11335
0800-0850 C 15230 15180
1100-1150 B 11335 9975 6575
1300-1350 C 15230 13760 11740 9640 9345
2300-2350 C 13650 11700

KOREA SOUTH Radio Korea Int'l
1030-1100 B 11715

KUWAIT Radio Kuwait
1800-2100 C 11990

LEBANON Voice of Lebanon
2325-2336 C 6550 Mon-Sat

LITHUANIA Radio Vilnius
0030-0100 C 6120
2230-2300 C 9710 [2130-2200?]

MALAYSIA Voice of Malaysia
0555-0825 C 15295 9750 6175

MEXICO Radio Educacion
24 hours C 6185 NAE [EG sporadic]

MEXICO XERMX Radio Mexico Int'l
0300-0500 C 9705 5985 [Sun 0400- ?]
1400-1600 C 9705
1900-2100 C 9705 5985

MOLDOVA Radio Dniestr Int'l
2030-2100 C 11750 Mon, Wed, Sat

MOLDOVA Radio Moldova Int'l
0330-0355 C 7500
0430-0455 C 7500
2200-2225 C 7500
2300-2335 C 7500

MONACO TWR
0640-0820 B 7110 [Sat -0805]
MONGOLIA Radio Ulan Bator
0930-1000 D 12085 11850
1200-1230 D 12085 9745
1500-1530 D 12085 9745
1930-2000 D 12085 9745
MOROCCO RTV Marocaine
1400-1500 C 17595 Sun [unconfirmed]
1800-1900 C 17815 Sun
NETHERLANDS Radio Netherlands
0030-0130 C 9860 7305* 5905 [*11655 between May 5-Sept 1]
0130-0230 C 11655 9860 7305* 5905 [*9890 between May 5-Sept 1]
0230-0325 C 11655 9860* [*9890 between May 5-Sept 1]
0430-0525 A 9590 6165
0730-0830 B 11895* 9720 [*9700 between May 5-Sept 1]
0830-0930 B 9720
0930-1025 B 13705 12065 9720
1030-1225 C 9650 6045
1330-1625 C 15150 9890 [& 13700 -1425]
1730-1830 C 11655 7120 6020
1830-2030 B 17605 15315 11655 9895 9860 7120 6020* [*7205 1930-]
2030-2125 C 11655 9895 9860
2330-0125 A 9845 6165 6020
NEW ZEALAND Radio New Zealand Int'l
0100-0500 C 15115 [weekend
0500-0700 C 9570 variations
0700-1200 C 6100 not given]
1650-1950 D 6145
1950-2215 C 9810
2215-0100 C 11735
NORTHERN MARIANAS ISLANDS KHBI Saipan NAE [from May 7]
0800-0900 C 9425
0900-1000 C 13615 9430
1000-1100 C 13840
1100-1300 C 9430 9355
1300-1400 C 13840 9355
1400-1600 C 9355
2000-2100 C 9570
2100-2200 C 13840
2200-2300 C 15405 13840
2300-2400 C 15665 13625
NORWAY Radio Norway Int'l
0100-0130 C 9560 Mon
0300-0330 C 7465 Mon
1300-1330 C 15340 Sun
1600-1630 C 11840 Sun
PAKISTAN Radio Pakistan
0230-0245 C 21730 17725 17705 15485 7290
0800-0847 C 17895v 15470v
1105-1120 C 17895v 15470v
1600-1630 C 15555 13590 11935 11750 9515 9425
1700-1750 C 11570 5825
PAPUA NEW GUINEA NBC Port Moresby
fade-1400 C 9675 or 4890
PHILIPPINES FEBC
0000-0200 C 15450
0930-1100 C 11635
1300-1600 C 11995
PHILIPPINES Radio Pilipinas
0230-0330 C 21580 17840 17760
POLAND Polish Radio Warsaw
1200-1255 C 11815
PORTUGAL RDP Int'l
0230-0300 B 9570 6095 Tue-Sat
ROMANIA Radio Romania Int'l
0200-0256 C 11940 7105 9570 9510 6155 5990
0400-0456 C 11940 9570 9510 6155 5990
0631-0640 C 11810 9665 9550
1300-1356 C 17720 15365 11940 9690
1900-1956 C 11940 11810 9690 9550
2100-2156 C 9690 7195 7105 5990
2300-2356 C 11940 9625 9570 7135
RUSSIA Voice of Russia WS [Kevin Hecht Apr 6]
0000-0030 C 9665 7250 7240 7125
0030-0100 C 9665 9620 7250 7240 7125
0100-0200 C 15180 13665 12050 9620 7240
0200-0300 C 15180 13665 13645 12050 9620 7240
0300-0500 C 15180 13665 13645 12050 9620 7230
0500-0700 C 13665 13645 12050
1500-1600 C 15400
1600-1700 C 15400 11675 11630 9480
1700-1800 C 15400 11630 9480
1800-2000 C 15400 11675 11630 9480
2000-2030 C 11675 11630 9480
2030-2100 C 11750 11675 11630 9665 9480 7240
2030-2130 C 11750 11630 9665 9480 7240
2130-2200 C 11750 11630 9665 9480 7250 7240
2200-2230 C 11750 9665 7250 7240
2230-2300 C 11750 9665 7250 7240 7125
2300-2400 C 11750 9665 7240 7125
SERBIA Radio Yugoslavia
0000-0030 C 7115 Mon-Sat
0430-0500 C 7130
SEYCHELLES FEBA
1458-1515 C 11870 [Fri-Mon -1530]
1458-1600 C 9810 Mon-Sat
SINGAPORE Radio Singapore Int'l
1100-1400 C 6015
SLOVAKIA AWR Europe
0200-0300 C 11610
0330-0400 C 9465
0400-0430 C 11600
0500-0600 C 7215
0530-0600 C 11600
0600-0630 C 13175
1600-1700 C 13590
1630-1700 C 15620
2030-2100 C 9455
2100-2200 C 6055
2200-2300 C 9455
SLOVAKIA Radio Slovakia Int'l
0100-0130 B 9440 7300 5930
SOUTH AFRICA Channel Africa
0300-0455 C 5955 3320
0500-0555 C 9590 5955
1600-1655 C 9530
SPAIN Radio Exterior de Espana
0000-0200 A 9540
0500-0600 A 9540
2100-2200 C 11775
2200-2300 C 11775?
SUDAN Nat'l Unity Radio
1800-1900 C 9025v
SWEDEN Radio Sweden
0030-0100 C 6065
0130-0200 C 7290

0230-0300 B 7290
0330-0400 B 7115
1130-1200 B 15240 11650
1330-1400 B 15240 11650

SWITZERLAND Red Cross Broadcasting [all RC broadcasts tetraweekly Fri, Sat & Sun; next May 10]
0800-0805 C 13635 11860 9885
1245-1250 C 17515 15415 13635
1645-1650 C 15530 13635 12075
1845-1850 C 13635 13075 9885

SWITZERLAND Swiss Radio Int'l
0100-0130 A 9905 9885 6135
0400-0430 A 9885 6135 [& 9905 -0500]

SYRIA Radio Damascus
2005-2105 C 15095
2110-2210 C 15095 12085

TAIWAN Voice of Free China [via WYFR]
0200-0400 B 9680 5950 [& 11740 -0300]
0700-0800 B 5950
2200-2300 B 17750 15600

THAILAND Radio Thailand
0030-0100 C 11905
0300-0330 C 11890
1900-2000 D 7210
2030-2045 D 9555

TURKEY Voice of Turkey
0300-0350 C 9655
2200-2250 C 9655
2300-2350 C 11810U

UKRAINE Radio Ukraine Int'l
0000-0100 B 9550 7150
0300-0400 B 9550 7150
2100-2200 C 9550 7150

UNITED ARAB EMIRATES Abu Dhabi
2200-2400 C 13605 11970 11885

UNITED ARAB EMIRATES Dubai
0329-0355 C 21485 15400 13675 11945
1330-1400 C 21605 17825 15395 13675
1600-1640 C 17825 15395 13675 11795

UNITED KINGDOM BBC World Service

African stream
0300-0400 C 9600 6005
0400-0700 C 9600 7160 6005
0700-0800 C 9600
1000-1430 C 21660 17830
1430-1700 C 21660 17830 15400
1700-1930 C 17830 15400
1930-2100 C 17830 [& 11835 2000-]
2100-2315 C 11835

American stream
0000-0200 A 11750 9915 9590 6175 5975 5970
0200-0230 A 9915 9590 6175 5975 5970
0230-0330 A 9895 6175 5975 5970
0330-0700 A 6175 5975
1000-1200 A 6195 5965
1200-1300 A 9515 6195 5965
1300-1400 A 15220 11865 9515 6195 5965
1400-1600 A 17840 15220 11865 9515
1600-1715 A 17840 9515* [*Sun-Fri -1615]
1715-1900 A 17840 or 17810 or -1800
2000-2100 C 11750
2100-2200 A 11750 5975
2200-2300 A 11750 9915 9590 6175 5975
2300-2400 A 11750 9915 9590 7325 6175 5975

Asia/Pacific stream
1030-1100 C 6195
1100-1300 C 9740 6195
1300-1615 C 9740

European stream
0300-0430 C 6195
1200-2030 C 15070 12095 [& 11835 2000-]
2030-2315 C 11835 9410 [& 15070 -2130, 12095 -2230]

European alternatives
0430-0700 C 6195 6180

UNITED STATES Voice of America

Africa
0300-0400 B 9575 7405 7340 7280 7105 6873L/U
0400-0600 B 9575 7405 7340 7280 6873L/U
0600-0630 B 6873L/U [Sat-Sun -0700]
1600-1800 C 17895 15410 10454L [Mon-Fri 1630-]
1800-2200 B 15580 15410 10454L [Sat -2130]
2130-2200 B 10454L Sat

Americas
0000-0200 A 13740 9775 7405 5995 [& 9455 6130 0100-]

Asia-Pacific
1000-1200 A 5985
1200-1500 C 9760
1900-2000 C 15185 11870 9525
2200-2400 C 15305

Caribbean
0000-0100 A 11695 9455 6130
1000-1200 A 9590 7405 6165

Middle East/North Africa
0100-0300 B 7651U
1500-1800 C 15205 9700

UNITED STATES Private stations

KAIJ
0000-0200 B 13740 5810
0200-1400 B 5810 [& 9815 -1300]
1400-2200 B 15725 13815
2300-2400 B 13815 13740

KJES NAE
1300-1600 B 11715
1800-1900 B 15385
2000-2100 B 15385

KTBN
0100-1500 A 7510
1500-0100 A 15590

KVOH NAE
0000-1000 B 9975 [7415a -0600]
1000-2400 B 17775

WEWN [tentative Z-96 complete] NAE
0000-0300 A 15375 7425 5825
0300-0800 A 11715 7425 5825
0800-1000 A 7425 5960 5825
1000-1100 A 15665 7425 5960
1100-1300 A 15665 9475 7425
1300-1400 A 15665 11875 9580 9475
1400-1600 A 15665 15375 11875 9580
1600-1800 A 15665 15375 13615 11875
1800-2000 A 15375 13695 13615 11875
2000-2200 A 15375 13695 13615 7425
2200-2400 A 15375 13615 11820 7425

WGTG
1000-0400 B 9400

WHRI-1 NAE
0000-1000 B 7315
1000-1300 B 9495
1300-1700 C 15105
1700-2400 C 9495

WHRI-2 NAE
0400-1000 B 5760
1000-1500 B 6040
1500-2200 B 13760
2200-0400 B 5745
WJCR
24 hours B 7490 [& 13595 EG/CH]
WMLK NAE
0400-0700 B 9465 Mon-Sat
1700-2200 B 9465 Sun-Fri
WRMI NAE
--------- C 9955 [Schedule constantly changes & I don't care enough to keep up --Norfolk]
WRNO NAE
0300-0600 B 7395
0600-1400 B 7415 Sat
1400-2300 B 15420
2300-0300 B 7355
WSHB NAE [from May 7]
0000-0200 A 9430 7535
0200-0300 A 9430 5850
0300-0400 A 7535 5850
0400-0800 A 7535
0800-0900 A 7535
0900-1000 A 7535 7395
1000-1200 A 7395 6095
1200-1400 A 9455 6095
1600-1800 A 17510
1800-2000 A 17510 15665
2000-2100 A 15665
2100-2400 A 15665 13770
WVHA
1400-1800 B 15745 Sat
1800-1900 B 15745 Mon, Wed, Fri; 9945 Sun, Tue, Thu [NAE Sun]
1900-2000 B 15745 Sun, Tue, Thu; 9930 Mon, Wed, Fri
2000-2100 B 15745 Sun, Tue, Thu; 9930 Mon, Wed, Fri, Sat
2100-2200 B 5850
WWCR-1 NAE
0000-1000 B 3315 [0100- June-July]
1000-2200 B 15685
2200-0000 B 9475 [-0100 June-July]
WWCR-2 NAE
0000-1200 B 5935 [0200-1200 June-July]
1200-0100 B 13845 [1200-0200 June-July]
WWCR-3 NAE
1100-1300 B 7435
1300-2300 B 12160
2300-1100 B 5065
WWCR-4 NAE
0200-1000 B 2390
1600-2200 B 9475
2200-0200 B 7435
WYFR
0000-0100 A 6085
0100-0400 A 6065 [& 9505 0104-]
0400-0500 A 9985 [& 9505 6065 -0445]
0500-0600 A 11580 9985 5985
0600-0700 A 9985 7355 5985
0700-0800 A 13695 [& 9985 7355 -0745]
1000-1200 A 5950 [& 11830 1100-]
1200-1300 A 17750 11830 5950 [& 6015 -1245]
1300-1400 A 13695 17750 11830 5950
1400-1600 A 17750 11830 [& 5950 -1500]
1600-1700 A 21745 21525 17750 15695 11830 [& 11705 1604-]
1700-1800 A 15695 [& 21745 -1745]
1800-2000 A 17555 [& 15695 -1900]
2000-2245 A 21525 17845 [& 17555 -2145]
UZBEKISTAN Radio Tashkent
1200-1230 C 15295 9715 7190
1330-1400 C 15295 9715 7190
VATICAN Vatican Radio
0250-0310 B 7305 6095* [*should move to 9605 in May]
0500-0530 B 7250 5880
1730-1800 C 15570
VIETNAM Voice of Vietnam
0100-0300 C 7250
1000-1030 C 15008.7 12020 9840
1100-1130 C 9840 7287
1230-1300 C 15008.7 12020 9840
1330-1400 C 15008.7 12020 9840
YEMEN Yemen Radio
1800-1900 C 9780v

0000-0010 B Zagreb 13830 7315 5895
0000-0015 D Cambodia 11940v
0000-0030 B Prague 7345 5930
0000-0030 C Russia 9665 7250 7240 7125
0000-0030 C Yugoslavia 7115 Mon-Sat
0000-0050 C Pyongyang 15130 13760 11335
0000-0100 B China 11760 9710
0000-0100 B Ukraine 9550 7150
0000-0100 A VOA Caribbean 11695 9455 6130
0000-0100 B WYFR 6085
0000-0200 C FEBC 15450
0000-0200 A REE Spain 9540
0000-0200 A BBC Americas 11750 9915 9590 6175 5975 5970
0000-0200 B KAIJ 13740 5810
0000-0200 A VOA Americas 13740 9775 7405 5995 [& 9455 6130 0100-]
0000-0200 A WSHB 9430 7535
0000-0300 A WEWN 15375 7425 5825
0000-1000 B KVOH 9975 [7415a -0600]
0000-1000 B WHRI-1 7315
0000-1000 B WWCR-1 3315 [0100-1000 June-July]
0030-0100 C Australia 17795
0030-0100 C Vilnius 6120
0030-0100 C Russia 9665 9620 7250 7240 7125
0030-0100 C Sweden 6065
0030-0100 C Thailand 11905
0030-0130 C Tehran 9022 6015
0030-0130 C Netherlands 9860 7305* 5905 [*11655 between May 5-Sept 1]
0030-0700 A HCJB 9745
0038-0055 C Denmark 7465 Mon after 1st Sun
0045-0400 A WYFR 6065 [& 9505 0104-]
0050-0110 B RAI 11800 9675 6005
0100-0110 B Zagreb 13830 7315 5895
0100-0130 B Prague 7345 6200
0100-0130 B Budapest 11870? 9850? 6190?
0100-0130 C Norway 9560 Mon
0100-0130 B Slovakia 9440 7300 5930
0100-0130 A Swiss R Int'l 9905 9885 6135
0100-0150 A Deutsche Welle 11740 9640 6145 6085 6040
0100-0200 A Canada/RCI 13670* 11715* 9755 9535*

6120 [* -0130 Tue-Sat, -0200 Sun-Mon]
0100-0200 D Indonesia 9675
0100-0200 A Japan 5960
0100-0200 C Russia 15180 13665 12050 9620 7240
0100-0300 B VOA ME/NAf 7651U
0100-0300 C Vietnam 7250
0100-0400 C Australia 17795 13755
0100-0500 B Havana 9830U 9820 6000 [& 6180 0400-]
0100-0500 C New Zealand 15115
0100-1200 B WWCR-2 5935 [0200-1200 June-July]
0100-1500 A KTBN 7510
0130-0150 B Greece 9420 7448 6260 Mon-Sat
0130-0200 C Austria 9655
0130-0200 C Sweden 7290
0130-0230 C Netherlands 11655 7305* 5905 [*9890 between May 5-Sept 1]
0138-0155 C Denmark 9560 7465 Mon after 1st Sun
0145-0156 B Tirana 7160 6140
0200-0210 B Zagreb 13830 7315 5895
0200-0230 A Canada/Peacekeepers 11725 9535 6120 Tue-Sat
0200-0230 A BBC Americas 9915 9590 6175 5975 5970
0200-0250 B Deutsche Welle 9640
0200-0256 C Romania 11940 7105 9570 9510 6155 5990
0200-0300 C Argentina 11710 Tue-Sat [maybe 0100-0200?]
0200-0300 A Canada/CBC 13670 9755 [& 11715 9535 6120 Sun-Mon]
0200-0300 C Russia 15180 13665 13645 12050 9620 7240
0200-0300 C AWR Europe 11610
0200-0300 A WSHB 9430 5850
0200-0330 B Cairo 11600 9475
0200-0400 B VOFC Taiwan 9680 5950 [& 11740 -0300]
0200-1000 B WWCR-4 2390
0200-1400 B KAIJ 5810 [& 9815 -1300]
0230-0245 C Pakistan 21730 17725 17705 15485 7290
0230-0300 B Tirana 7160 6140
0230-0300 B Budapest 11870? 9850? 6190?
0230-0300 B RDP Portugal 9570 6095 Tue-Sat
0230-0300 C Austria 13730 9870 9655
0230-0300 B Sweden 7290
0230-0325 C Netherlands 11655 9860* [*9890 between May 5-Sept 1]
0230-0330 C Pilipinas 21580 17840 17760
0230-0330 A BBC Americas 9895 6175 5975 5970
0238-0255 C Denmark 9560 7465 Mon after 1st Sun
0250-0310 B Vatican 7305 6095* [*should move to 9605 in May]
0300-0310 B Zagreb 13830 7315 5895
0300-0330 B Prague 7435 5930
0300-0330 C Norway 7465 Mon
0300-0330 C Thailand 11890
0300-0350 A Deutsche Welle 9640 9615 9535 6185 6085
0300-0350 C Turkey 9655
0300-0400 B China 11760 9710 9690
0300-0400 C TIFC 5055
0300-0400 B Ukraine 9550 7150
0300-0400 C BBC Africa 9600 6005
0300-0400 B VOA Africa 9575 7405 7340 7280 7105 6873L/U
0300-0400 A WSHB 7535 5850
0300-0430 C TGNC 3300 [Sun 2345-]
0300-0430 C BBC Europe 6195
0300-0455 C Channel Africa 5955 3220
0300-0500 C XERMX 9705 5985 [Sun 0400- ?]
0300-0500 C Russia 15180 13665 13645 12050 9620 7230
0300-0600 B WRNO 7395
0300-0800 A WEWN 11715 7425 5825
0329-0355 C Dubai 21485 15400 13675 11945
0330-0355 C Moldova 7500
0330-0400 C AWR Europe 9465
0330-0400 B Sweden 7115
0330-0800 A BBC Americas 6175 5975
0338-0355 C Denmark 7465 Mon after 1st Sun
0340-0350 B Greece 9420 7448 6260 Mon-Sat
0400-0410 B Zagreb 13830 7315 5895
0400-0415 C Israel 17545 9435 7465
0400-0430 C Canada/RCI 15275 11905 11835
0400-0430 C AWR Europe 11600
0400-0430 A Swiss R Int'l 9885 6135 [& 9905 -0500]
0400-0456 C Romania 11940 9570 9510 6115 5990
0400-0500 B Bulgaria 11720 9700
0400-0500 B China 9730 9560
0400-0500 A WYFR 9985 [& 9505 6065 -0445]
0400-0600 C Australia 17795 11880 9660 9580
0400-0600 B VOA Africa 9575 7405 7340 7280 6873L/U
0400-0700 C BBC Africa 9600 7160 6005
0400-0700 B WMLK 9465 Mon-Sat
0400-0800 C KWHR 17880
0400-0800 A WSHB 7535
0400-1000 B WHRI-2 5760
0430-0500 C Moldova 7500
0430-0500 B Yugoslavia 7130
0430-0525 A Netherlands 9590 6165
0430-0700 C BBC Europe alt 6195 6180
0438-0455 C Denmark 7465 Mon after 1st Sun
0500-0530 C Canada/Peacekeepers 17840 15430 7205 6050 Mon-Fri
0500-0530 B Vatican 7250 5880
0500-0550 A Deutsche Welle 9515 6185 6045 5960
0500-0555 C Channel Africa 9590 5955
0500-0600 B Japan 11895 6110
0500-0600 C AWR Europe 7215
0500-0600 A REE Spain 9540
0500-0600 A WYFR 11580 9985 5985
0500-0700 B Havana 9830U 9505
0500-0700 C New Zealand 9570
0500-0700 C Russia 13665 13645 12050
0530-0600 A Austria 6015
0530-0600 C Almaty 11705
0530-0600 C AWR Europe 11600
0555-0825 C Malaysia 15295 9750 6175
0600-0610 C Zagreb 7315
0600-0630 C AWR Europe 13715
0600-0630 B VOA Africa 6873L/U [Sat-Sun -0700]
0600-0700 A WYFR 9985 7355 5985
0600-0730 C Australia 11880 9860 9580
0600-1400 B WRNO 7415 Sat
0630-0700 A Austria 6015
0631-0640 C Romania 11810 9665 9550
0640-0820 B TWR Monaco 7110 [Sat -0805]

0700-0800 B VOFC Taiwan 5950
0700-0800 C BBC Africa 9600
0700-0800 A WYFR 13695 [& 9985 7355 -0745]
0700-0830 C HCJB 11615
0700-1130 C HCJB 5900
0700-1200 B New Zealand 6100
0730-0830 B Netherlands 11895* 9720 [*9700 between May 5-Sept 1]
0730-1230 B Australia 9860 9580 [& 7240 0900-1130]
0755-0915 C KTWR 15200
0800-0805 C Red Cross BC 13635 11860 9885 Fri-Sun tetraweekly
0800-0847 C Pakistan 17895v 15470v
0800-0850 C Pyongyang 15230 15180
0800-0900 C KNLS 9615
0800-0900 D Indonesia 9675 9525?
0800-0900 C KHBI 9425
0800-0900 A WSHB 15665 7535
0800-1000 A WEWN 7425 5960 5825
0800-1600 C KWHR 9930
0830-0930 B Netherlands 9720
0855-1000 C KTWR 11835
0900-0930 B Ireland 5065 Mon-Fri
0900-0950 B Deutsche Welle 6160
0900-1000 C KHBI 13615 9430
0900-1000 A WSHB 7535 7395
0930-1000 D Ulan Bator 12085 11850
0930-1025 B Netherlands 13705 12065 9720
0930-1100 C FEBC 11635
1000-1030 C Vietnam 15008.7 12020 9840
1000-1100 C KSDA 9370
1000-1100 C India 17890 17387 15050 13700
1000-1030 B Ireland 5065 Sat-Sun
1000-1100 C KHBI 13840
1000-1100 A WEWN 15665 7425 5960
1000-1200 A BBC Americas 6195 5965
1000-1200 C VOA Asia-Pac 5985
1000-1200 A VOA Caribbean 9590 7405 6165
1000-1200 A WSHB 7395 6095
1000-1200 A WYFR 5950 [& 11830 1100-]
1000-1300 B WHRI-1 9495
1000-1430 C BBC Africa 21660 17830
1000-1500 B WHRI-2 6040
1000-2200 B WWCR-1 15685
1000-2400 B KVOH 17775
1000-0400 B WGTG 9400
1030-1100 C KSDA 9530
1030-1100 B S Korea 11715
1030-1100 C BBC Asia/Pac 6195
1030-1100 D Ethiopia 9705 5990 Mon-Fri
1030-1225 C Netherlands 9650 6045
1038-1055 C Denmark 15220 1st Sun
1100-1130 C Vietnam 9840 7287
1100-1150 B Pyongyang 11335 9975 6575
1100-1200 B Japan 6120
1100-1200 C Jordan 11970
1100-1300 C TIAWR some of 15460 13750 9725 7375 6150 5030
1100-1300 C KHBI 9430 9355
1100-1300 C BBC Asia/Pac 9740 6195
1100-1300 A WEWN 15665 9475 7425 NAE
1100-1300 B WWCR-3 7435
1100-1400 C Singapore 6015
1100-1600 B HCJB 15115 [& 12005 -1500]
1105-1120 C Pakistan 17895v 15470
1130-1200 C Austria 13730
1130-1200 B Finland 15400 11900
1130-1200 B Sweden 15240 11650
1130-1230 C Tehran 15260 11930 11875
1200-1215 C Cambodia 11940v
1200-1230 D Ulan Bator 12085 9745
1200-1230 C Tashkent 15295 9715 7190
1200-1255 C Warsaw 11815
1200-1300 A Canada/CBC 13650 11855 9640
1200-1300 B France 15530 15325 13625
1200-1300 A BBC Americas 9515 6195 5965
1200-1300 A WYFR 17750 11830 5950 [& 6015 -1245]
1200-1320 C Brazil 15445
1200-1400 A WSHB 9455 6095
1200-1500 C VOA Asia-Pac 9760
1200-2030 C BBC Europe 15070 12095
1200-0100 B WWCR-2 13845 [1200-0200 June-July]
1215-1330 C Cairo 17595
1230-1250 B Jakarta 9680 Tue
1230-1255 C RVI Belgium 13605 Sun
1230-1300 C Bangladesh 9650 7185
1230-1300 B Finland 15400 11900 Mon-Sat
1230-1300 C Vietnam 15008.7 12020 9840
1230-1700 B Australia 11880 5995
1238-1255 C Denmark 11840 1st Sun
1245-1250 C Red Cross BC 17515 15415 13635 Fri-Sun tetraweekly
1300-1325 C RVI Belgium 15540 13605 Mon-Sat
1300-1330 C Norway 15340 Sun
1300-1350 C Pyongyang 15230 13760 11740 9640 9345
1300-1356 C Romania 17720 15365 11940 9690
1300-1400 A Canada/CBC 13650 11855 9640 Mon-Fri
1300-1400 C Canada/RCI 21455 15325 11935 [& 17820 Mon-Sat]
1300-1400 C KNLS 7365
1300-1400 C KHBI 13840 9355
1300-1400 A BBC Americas 15220 11865 9515 6195 5965
1300-1400 A WEWN 15665 11875 9580 9475
1300-1400 A WYFR 17750 13695 11830 5950
1300-1600 A Canada/CBC 13650 11855 Sun
1300-1600 C FEBC 11995
1300-1600 B KJES 11715 NAE
1300-1615 C BBC Asia/Pac 9740
1300-1700 B WHRI-1 15105
1300-2300 B WWCR-3 12160
1330-1400 C Canada/RCI 21455 15325 11935 [& 17820 Mon-Sat
1330-1400 C KSDA 9650
1330-1400 B Sweden 15240 11650
1330-1400 C Dubai 21605 17825 15395 13675
1330-1400 C Tashkent 15295 9715 7190
1330-1400 C Vietnam 12010 9840
1330-1500 C India 13750U 11620
1330-1625 C Netherlands 15150 9890 [& 13700 -1425]
1335-1350 B Greece 15650 15175
1338-1355 C Denmark 15340 1st Sun
fade-1400 C NBC Port Moresby 9675 or 4890
1400-1430 C Israel 15615 12077
1400-1500 B France 17560
1400-1500 C RTV Morocco 17595 Sun [unconfirmed]
1400-1600 B China 7405 should be 1300-1500 soon
1400-1600 B Japan 9535 [& 11705 -1500]
1400-1600 C XERMX 9705

1400-1600 A BBC Americas 17840 15220 11865 9515
1400-1600 C KHBI 9355
1400-1600 A WEWN 15665 15375 11875 9580
1400-1600 A WYFR 17750 11830 [& 5950 -1500]
1400-1630 C Jordan 11970
1400-1800 B WVHA 15745 Sat
1400-2200 B KAIJ 15725 13815
1400-2300 B WRNO 15420
1430-1700 C BBC Africa 21660 17830 15400
1448-1455 C Denmark 15340 1st Sun
1458-1515 C FEBA 11870 [Fri-Mon -1530]
1458-1600 C FEBA 9810 Mon-Sat
1500-1530 D Ulan Bator 12085 9745
1500-1600 C Russia 15400
1500-1630 C KTWR 11580
1500-1800 C VOA ME/NAf 15205 9700
1500-2200 B WHRI-2 13760
1500-0100 A KTBN 15590
1530-1630 D Tehran 9635 7290
1538-1555 C Denmark 11840 1st Sun
1600-1630 C Norway 11840 Sun
1600-1630 C Pakistan 15555 13590 11935 11570 9515 9425
1600-1640 C Dubai 17825 15395 13675 11795
1600-1655 C Channel Africa 9530
1600-1700 D Ethiopia 9560 7165
1600-1700 B France 15530 12015 11700 11615 [& 15460, 15210 -1730]
1600-1700 C KSDA 7395
1600-1700 C Russia 15400 11675 11630 9480
1600-1700 C AWR Europe 13590
1600-1700 A WYFR 21745 21525 17750 15695 11830 [& 11705 1604-]
1600-1715 A BBC Americas 17840 9515* [*Sun-Fri -1615]
1600-1800 D KWHR 6120
1600-1800 C VOA Africa 17895 15410 10451L [Mon-Fri 1630-]
1600-1800 A WEWN 15665 15375 13615 11875
1600-1800 A WSHB 17510 15745 9355
1600-2200 B WWCR-4 9475
1630-1700 C AWR Europe 15620
1630-1830 C Cairo 15255
1638-1655 C Denmark 15340 11840 1st Sun
1645-1650 C Red Cross BC 15530 13635 12075 Fri-Sun tetraweekly
1645-1700 B Canada/RCI 17820 15325 11935 9555
1650-1950 D New Zealand 6145
1700-1750 C Pakistan 11570 5825
1700-1800 C TIAWR some of 15460 13750 9725 7375 6150 5030 Sat-Sun
1700-1800 C Japan 9535
1700-1800 C Russia 15400 11630 9480
1700-1800 A WYFR 15695 [& 21745 -1745]
1700-1930 C BBC Africa 17830 15400
1700-2130 C Australia 11880 9860
1700-2200 B WMLK 9465 Sun-Fri
1700-2400 B WHRI-1 9495
1700-1200 B RFPI Costa Rica some of 15050U 7385 6205U
1715-1900 A BBC Americas 17840 or 17810
1730-1800 C KSDA 9370
1730-1800 C Vatican 15570
1730-1830 C Netherlands 11655 7120 6020
1745-1945 C India 15075 13750U 11935 11620 9950 9650 7410
1800-1900 C RTVA Algeria 15205 15160 11715
1800-1900 C RTV Morocco 17815 Sun
1800-1900 C Nat'l Unity Radio Sudan 9025v
1800-1900 B KJES 15385
1800-1900 B WVHA 15745 Mon, Wed, Fri; 9945 Sun, Tue, Thu
1800-1900 C Yemen 9780v
1800-2000 C KWHR 13625
1800-2000 C Russia 15400 11675 11630 9480
1800-2000 A WEWN 15375 13695 13615 11875
1800-2000 A WSHB 17510 15665 13770
1800-2000 A WYFR 17555 [& 15695 -1900]
1800-2100 C Kuwait 11990
1800-2200 B VOA Africa 15580 15410 10454L [Sat -2130]
1830-1900 B Ireland 12160 Mon-Fri
1830-2030 B Netherlands 17605 15315 11655 9895 9860 7120 6020* [*7205 1930-]
1845-1850 C Red Cross BC 13635 12075 9885 Fri-Sun tetraweekly
1900-1930 B Ireland 12160 Sat
1900-1930 C Israel 15640 15615 11605 9435 7465
1900-1956 C Romania 11940 11810 9690 9550
1900-2000 C Bulgaria 11720 9700
1900-2000 C Japan 9535
1900-2000 D Thailand 7210
1900-2000 C VOA Asia-Pac 15185 11870 9525
1900-2000 B WVHA 15745 Sun, Tue, Thu; 9930 Mon, Wed, Fri
1900-2100 C XERMX 9705 5985
1900-2200 C HCJB 15540
1930-2000 C Austria 13730 9665
1930-2000 D Ulan Bator 12085 9745
1930-2027 C Tehran 9022 7260
1930-2100 C BBC Africa 17830 [& 11835 2000-]
1950-2215 C New Zealand 9810
2000-2030 B Ireland 12160 Sun
2000-2030 C Russia 11675 11630 9480
2000-2100 C RTVA Algeria 15160 11715
2000-2100 C Angola 9535
2000-2100 B Canada/RCI 17870 17820 15325 15150 13670 13650 11690 7235 5995
2000-2100 D Indonesia 9680 9525
2000-2100 C KHBI 9570
2000-2100 C BBC Americas 11750
2000-2100 B KJES 15385
2000-2100 B WVHA 15745 Sun, Tue, Thu; 9930 Mon, Wed, Fri, Sat
2000-2100 A WSHB 15665
2000-2130 C China 15110 11715
2000-2200 C KWHR 15405
2000-2200 A WEWN 15375 13695 13615 7425
2000-2245 A WYFR 21525 17845 [& 17555 -2145]
2005-2105 C Damascus 15095
2030-2045 D Thailand 9555
2030-2100 C Armenia 11615 9965
2030-2100 C Dniestr 11750 Mon, Wed, Sat
2030-2100 C Russia 11750 11675 11630 9665 9480 7240
2030-2125 C Netherlands 11655 9895 9860
2030-2130 C Russia 11750 11630 9665 9480 7240
2030-2130 C AWR Europe 9455
2030-2200 C Cairo 15375
2030-2315 C BBC Europe 11835 9410 [& 15070 -2130, 12095 -2230]
2045-2230 C India 15225 11715 11620 9950 9910

7410
2100-2130 B Canada/CBC 17820 15325 15150 13670 13650 11690 7235 5995
2100-2150 C Deutsche Welle 15135 11765 9735
2100-2156 C Romania 9690 7195 7105 5990
2100-2200 C Bulgaria 11720 9700
2100-2200 B Havana 9550
2100-2200 C KHBI 13840
2100-2200 C AWR Europe 6055
2100-2200 C Spain 11775?
2100-2200 C Ukraine 9550 7150
2100-2200 A BBC Americas 11750 5975
2100-2200 B WVHA 5850
2100-2300 A WSHB 15665 13770
2110-2210 C Damascus 15095 12085
2115-2245 C Cairo 9900
2126-2227 C Tehran 6175
2130-2200 C KSDA 15310
2130-2200 C Russia 11750 11630 9665 9480 7250 7240
2130-2200 B VOA Africa 10454L Sat
2130-2315 C BBC Africa 11835
2130-2400 C Australia 17860 17795
2200-2225 C Moldova 7500
2200-2230 B Canada/CBC-RCI 15305 13740
2200-2230 C Russia 11750 9665 7250 7240
2200-2250 C Turkey 9655
2200-2300 A Canada/CBC 13670 9755 5960
2200-2300 B Havana 9505U 6180
2200-2300 C KHBI 15405 13840
2200-2300 C AWR Europe 9455
2200-2300 C Spain 11775?
2200-2300 B VOFC Taiwan 17750 15600
2200-2300 A BBC Americas 11750 9915 9590 6175 5975
2200-2400 C Abu Dhabi 13605 11970 11885
2200-2400 C VOA Asia-Pac 15305
2200-2400 A WEWN 15375 13615 11820 7425
2200-2400 B WHRI-2 5745
2200-2400 B WWCR-1 9475 [2200-0100 June-July]
2200-0200 B WWCR-4 7435
2200-0400 C KWHR 17510
2215-0100 C New Zealand 11735
2230-2257 C Prague 11600 9430
2230-2300 C Vilnius 9710 [now at 2130-2200?]
2230-2300 C Russia 11750 9665 7250 7240 7125
2238-2255 C Denmark 11840 1st Sun
2245-2445 C India 15145 13700 11620 9950 9705
2300-2310 B Zagreb 13830 7315 5895
2300-2325 C Moldova 7500
2300-2330 A Canada/CBC 15305 11940 Mon-Fri
2300-2350 C Deutsche Welle 9690
2300-2350 C Pyongyang 13650 11700
2300-2356 C Romania 11940 9570 9625 7135
2300-2400 B Bulgaria 9700 7480
2300-2400 A Canada/CBC 15305 13670 9755 5960 Sat-Sun
2300-2400 C KSDA 11775
2300-2400 C KHBI 15665 13625
2300-2400 C Russia 11750 9665 7240 7125
2300-2400 C Turkey 11810U
2300-2400 A BBC Americas 11750 9915 9590 6175 5975
2300-2400 B KAIJ 13815 13740
2300-2430 C Cairo 9900
2300-0100 C TIAWR some of 15460 13750 9725 7375 6150 5030
2300-0300 B WRNO 7355
2300-1100 B WWCR-3 5065
2325-2336 C Lebanon 6550 Mon-Sat
2330-2355 C RVI Belgium 9925
2330-0125 A Netherlands 9845 6165 6020
2338-2355 C Denmark 7490 1st Sun
24 hours C CFRX Toronto 6070
24 hours C CFCX Montreal 6005 EG or FR
24 hours C R Education 6185 [EG sporadic]
24 hours B WJCR 7490 [& 13595 EG/CH]

Times are UT; frequencies in kHz. All daily unless otherwise indicated. Schedules subject to change without notice. a: alternate or authorized freq. v: freq varies. NAE: not all English (not indicated in time cross-reference). L=LSB; U=USB (the VOA's are feeders & may have another language on the other sideband).

Signal quality (a very rough guide): A: reliable; B: regular; C: occasional; D: rare. The letter given will not necessary apply to all frequencies listed at any given time. Reception of stations located in North America will depend on the location of the listener in relation to the transmitter location, power, beam direction & the distance of the skip zone at any given time.

SELECTED ENGLISH LANGUAGE DX/SWL/MEDIA PROGRAMS

UT SUNDAY
0030-0100 VOA COMMUNICATIONS WORLD 11695 9455 6130
0031-0040 Spain DISTANCE UNKNOWN 9540
0109-0145 HCJB DX PARTY LINE 9745
0131-0140 Spain DISTANCE UNKNOWN 9540
0200-0230 RFPI WORLD OF RADIO 7385 6205U
0200-0230 KWHR DXING WITH CUMBRE 17510?
0200-0300 WWCR SPECTRUM 5065 2390
0245-0300 Havana DXERS UNLIMITED 9830U 9820 6000
0245-0250 Romania DX MAILBAG 11940 9570 9510 7105 6155 5990
0257-0310 Vatican ON THE AIR 7305 6095* [*should move to 9605 in May]
0300-0330 WWCR WORLD OF RADIO 2390
0315-0330 Turkey DX PROGRAM biweekly 9655
0330-0400 WHRI DXING WITH CUMBRE 5745
0445-0500 Havana DXERS UNLIMITED 9830U 9820 6180 6000
0509-0545 HCJB DX PARTY LINE 9745
0525-0550 Japan MEDIA ROUNDUP 11895 6110
0531-0540 Spain DISTANCE UNKNOWN 9540
0645-0700 Havana DXERS UNLIMITED 9830U 9505
0700-0730 WWCR WORLD OF RADIO 3315
0900-0930 RFPI WORLD OF RADIO 6205U 7285
1037-1059 Korea SW FEEDBACK 11715
1100-1115 TIAWR WAVESCAN some of 15460 13750 9725 7375 6150 5030 [irregular]
1234-1244 RVI RADIO WORLD 13605
1425-1450 Japan MEDIA ROUNDUP 11705 9535
1725-1750 Japan MEDIA ROUNDUP 9535
1730-1800 WHRI DXING WITH CUMBRE 9495
1800-1830 WWCR WORLD OF RADIO 12160
1830-1900 KWHR DXING WITH CUMBRE 13625
2130-2200 WWCR WORLD OF RADIO 9475

2145-2157 Bulgaria BULGARIA CALLING 11720 9700
2205-2300 WWCR HAM RADIO & MORE 12160* 7435 [*may be temporary]
2300-2330 RFPI WORLD OF RADIO 15050U 7285
2300-2315 TIAWR WAVESCAN some of 15460 13750 9725 7325 6150 5030 [irregular]
2315-2340 KSDA WAVESCAN 11775
2334-2344 RVI RADIO WORLD 9925

UT MONDAY

0030-0045 WRMI WAVESCAN 9955
0100-0115 WRMI WAVESCAN 9955
0108-0118 Deutsche Welle DXERS WORLD MEETING after last Sun 11740 9670 9640 6145 6085 6040
0125-0150 Japan MEDIA ROUNDUP 5960
0235-0247 Budapest THE DX SHOW 11870? 9850? 6190?
0308-0318 Deutsche Welle DXERS WORLD MEETING after last Sun 9640 9610 9535 6185 6085
0330-0400 KWHR DXING WITH CUMBRE 17510
0405-0500 WWCR HAM RADIO & MORE 5065 temporary
0430-0456 New Zealand MAILBOX biweekly 15115
0445-0457 Bulgaria BULGARIA CALLING 11720 9700
0508-0518 Deutsche Welle DXERS WORLD MEETING after last Sun 9515 6185 6045 5960
0700-0730 RFPI WORLD OF RADIO 7385 6205U
0800-0900 WWCR SPECTRUM 3315
0905-1000 WWCR HAM RADIO & MORE 3315
1130-1200 WWCR WORLD OF RADIO 15685
1615-1630 KTWR PACIFIC DX REPORT 11580
1947-1952 Romania FOR RADIO AMATEURS 11940 11810 9690 9550
2030-2100 WWCR WORLD OF RADIO 15685
2147-2152 Romania FOR RADIO AMATEURS 9690 7195 5990

UT TUESDAY

0015-0030 WRMI WAVESCAN 9955
0247-0252 Romania FOR RADIO AMATEURS 11940 9570 9510 7105 6155 5990
1150-1200 Sweden MEDIASCAN 1st, 3rd 15240 11650
1230-1300 WWCR WORLD OF RADIO 15685
1300-1315 WRMI WAVESCAN 9955
1347-1352 Romania FOR RADIO AMATEURS 17720 15365 11940 9690
1350-1400 Sweden MEDIASCAN 1st, 3rd 15240 11650
1900-1930 RFPI WORLD OF RADIO 15050U
2145-2200 Havana DXERS UNLIMITED 9550
2245-2300 Havana DXERS UNLIMITED 9505U 6180

UT WEDNESDAY

0015-0030 WRMI WAVESCAN 9955
0050-0100 Sweden MEDIASCAN after 1st, 3rd Tue 6065
0145-0200 Havana DXERS UNLIMITED 9830U 9820 6000
0150-0200 Sweden MEDIASCAN after 1st, 3rd Tue 7290
0250-0300 Sweden MEDIASCAN after 1st, 3rd Tue 7290
0300-0330 RFPI WORLD OF RADIO 7385 6205U
0345-0400 Havana DXERS UNLIMITED 9830U 9820 6000
0350-0400 Sweden MEDIASCAN after 1st, 3rd Tue 7115
0545-0600 Havana DXERS UNLIMITED 9830U 9505
0700-0715 HCJB THE LATEST CATCH 11615
0800-0830 HCJB HAM RADIO TODAY 11615
0930-1000 HCJB HAM RADIO TODAY 5900
1000-1030 RFPI WORLD OF RADIO 7385 6205U
1030-1045 HCJB THE LATEST CATCH 5900
1930-2000 HCJB HAM RADIO TODAY 15540
2000-2015 HCJB THE LATEST CATCH 15540

UT THURSDAY

0015-0030 WRMI WAVESCAN 9955
0105-0117 Budapest THE DX SHOW 11870? 9850? 6190?
0130-0200 HCJB HAM RADIO TODAY 9745
0152-0224 Netherlands MEDIA NETWORK 9860 7305* 5905 [*11655 between May 5-Sept 1]
0200-0215 HCJB THE LATEST CATCH 9745
0530-0600 HCJB HAM RADIO TODAY 9745
0600-0615 HCJB THE LATEST CATCH 9745
0752-0824 Netherlands MEDIA NETWORK 11895* 9720 [*9700 between May 5-Sept 1]
0830-0858 New Zealand MAILBOX biweekly 6100
0952-1024 Netherlands MEDIA NETWORK 13705 12065 9720
1152-1224 Netherlands MEDIA NETWORK 9650 6045
1352-1424 Netherlands MEDIA NETWORK 15150 13700 9890
1552-1624 Netherlands MEDIA NETWORK 15150 9890
1752-1824 Netherlands MEDIA NETWORK 11655 7120 6020
1952-2024 Netherlands MEDIA NETWORK 17605 15315 11655 9895 9860 7205 7120
2030-1200 WWCR WORLD OF RADIO 15685

UT FRIDAY

0015-0030 WRMI WAVESCAN 9955
0052-0124 Netherlands MEDIA NETWORK 9860 9845 7305* 6165 6020 5905 [*11655 between May 5-Sept 1]
0252-0324 Netherlands MEDIA NETWORK 11655 9860* [*9890 between May 5-Sept 1]
0452-0524 Netherlands MEDIA NETWORK 9590 6165
1315-1330 WRMI WAVESCAN 9955
1930-1958 New Zealand MAILBOX biweekly 9810?
1945-1957 Bulgaria BULGARIA CALLING 11720 9700
2000-2030 RFPI WORLD OF RADIO 15050U
2115-2145 WWCR WORLD OF RADIO 15685 & 2215 9475
2230-2300 WHRI DXING WITH CUMBRE 5745
2345-2357 Bulgaria BULGARIA CALLING 9700 7480

UT SATURDAY

0200-0230 KWHR DXING WITH CUMBRE 17510
0245-0300 Portugal DX PROGRAM triweekly 9570 6095 [next should be UT May 18]
0400-0430 RFPI WORLD OF RADIO 7385 6205U
0500-0530 KWHR DXING WITH CUMBRE 17780
0500-0530 WHRI DXING WITH CUMBRE 7315 5760
0739-0815 HCJB DX PARTY LINE 11615
0815-0830 KTWR PACIFIC DX REPORT 15200
0909-0945 HCJB DX PARTY LINE 5900
0940-0955 KTWR PACIFIC DX REPORT 11835
1028-1058 WWCR WORLD OF RADIO 5065
1030-1100 VOA COMMUNICATIONS WORLD 5985
1100-1130 RFPI WORLD OF RADIO 7285 6205U
1230-1300 VOA COMMUNICATIONS WORLD 9760 6160?
1430-1500 KWHR DXING WITH CUMBRE 9930
1605-1700 WWCR HAM RADIO & MORE 12160
1730-1800 VOA COMMUNICATIONS WORLD 17895 15410

10454L
1800-1830 RFPI WORLD OF RADIO see Sun 0200
1909-1945 HCJB DX PARTY LINE 15540
1945-1950 Romania DX MAILBAG 11940 11810 9690 9550
2130-2200 VOA COMMUNICATIONS WORLD 10454L
2131-2140 Spain DISTANCE UNKNOWN 11775?
2145-2200 Havana DXERS UNLIMITED 9550
2145-2150 Romania DX MAILBAG 9690 7195 7105 5990
2215-2230 Turkey DX PROGRAM biweekly 9655
2230-2300 WHRI DXING WITH CUMBRE 9495
2231-2240 Spain DISTANCE UNKNOWN 11775?
2245-2300 Havana DXERS UNLIMITED 9505U 6180
2300-2330 WHRI DXING WITH CUMBRE 5745
2330-2345 WRMI WAVESCAN 9955 2nd/4th/5th Sun
2345-2400 WRMI WAVESCAN 9955

Start times and lengths may vary. All programs have 1 edition per week/cycle except DXERS UNLIMITED (2).

This list does not necessarily include all "DX" programs, nor does it necessarily include all time and frequencies for any particular program. Not all will have SW news and SW-oriented features; some concentrate solely on the station that it is heard on or are mailbag/music request programs with station/DX news segments; others report on telecommunications & satellite matters only.

SOME PROGRAM HOSTS or *DX REPORTERS

WORLD OF RADIO: Glenn Hauser
COMMUNICATIONS WORLD: Kim Elliott
DISTANCE UNKNOWN: Terry Burgoyne
DXERS UNLIMITED: Arnie Coro
DXING WITH CUMBRE: Marie Lamb
DX PARTY LINE: Richard and Lisa McVicar (until October, then Ken MacHarg)
Portugal DX PROGRAM: Winnie Almeida
HAM RADIO & MORE: Len Winkler
HAM RADIO TODAY: John Beck
THE LATEST CATCH: Rich McVicar (until October)
MAILBOX: *Arthur Cushen
MEDIA NETWORK: Jonathan Marks, Diana Janssen
Japan MEDIA ROUNDUP: Mari Kishi; *Bruce MacGibbon
MEDIASCAN: George Wood
ON THE AIR: Veronica Scarisbrick
RADIO WORLD: Frans Vossen
SPECTRUM: Dave Marthouse, Mark Emanuele
SW FEEDBACK: *William Matthews
WAVESCAN: Adrian Peterson, writer [presenters differ from station to station]

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DX PROGRAM BRIEFS

BULLGARIA CALLING. Due to [the] temporary absence of DX editor Dmitri Petrov, it will be dedicated to broadcast DXing only compiled by Pavel Rubenov for a couple of months. (April 12; spellings may be incorrect.)

DXING WITH CUMBRE: Marie Lamb said in late March that one edition would also be broadcast on AWR and WRMI, and they hope to broadcast future editions over those stations as well. I have been disappointed in CUMBRE, although I confess that they don't speak my language, so to speak. I also find their background music distracting, although on March 22 there were a couple of long pauses in the talk and if it hadn't been for the music I would have assumed that WHRI was having technical difficulties. The schedules they announce for their own program don't always match reality, so don't be surprised if it is not heard at the published times.

MEDIA ROUNDUP: Mari Kishi remains with the program, although NHK has a nasty habit of suddenly replacing hosts every year or so (Mark Robinson, I believe, lasted about a sesquiyear). Ms. Kishi's photograph appears on page 177 of the 1996 PWBR.

RADIO WORLD: Eugene Gebruers [who suspended his DX reports a few months ago due to poor health] is back with us! His health has improved so much that he can once again scan the bands and make notes of the latest changes in program times and frequencies. (Frans Vossen April 7)

WAVEGUIDE: BBC has canceled this, but on WORLD OF RADIO gh reported that the March 15 WRITE ON! said that WAVEGUIDE may be reborn in less than a year as an expanded communications media program.

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HUNGARY Note [??] in BIE about Budapest to us--stn itself puts out contradictory info, and here in deep NAm we can't hear a peep. BBCM 4/12 has another variation: 0100 11870 9850, 0230 11870 9870. But Tom Sundström, NJ, monitors RB at 01 and 0230 on 11870 9870, clashing with ORF [at 0100 only?]. Patrick Crumhorn forwards OMRI [ex-RFE/RL] report 4/18 that Hung RTV almost bankrupt--as usual not mentioned whether this affects external. Rachel Baughn, MT received long May previews with wrong fqs and times, but try: Romance of the Railways on GATEWAY Tue 5/28 II [=UT Wed 0230+] and Fri 5/31 I [= UT Sat 0100+]. Tripartite Comeback--politics--Wed 5/1 II, Thu 5/2 I [convert as above]. Rural Lifestyle Fri 5/3 I. Walkabout with the Conquest--museum re a kiloyear ago--Mon 5/27 I & Thu 5/30 II. Mercy Killing and the Court, Fri 5/3 II. Book Talk--birds & mood music, Tue 5/7 II, Fri 5/10 I. Szekszard and Schubert--influence of wine, Tue 5/21 II, Fri 5/24 I. Martian Guides to Budapest, 4 weeks from Sat 5/24 I. Note RB is on WRN NAm, Galaxy 5, x-6 6.8 MHz at 0330 UT (gh)

BBC WORLDWIDE is dead--final issue May 1996; from June, new magazine, mainly listings, cheaper. Subscribers will be given offer for the new title (Andy Sennitt, WRTH via Pete Costello)

NEW TIME FOR WORLD OF RADIO At presstime, WWCR added Friday 2215-2245 UT on 9475, at least temporarily for those eager to hear each new edition ASAP, and who cannot get good reception an hour earlier on 15685. Thank you, Adam Lock!

HE MEDIA MIND THE MEDIA MIND THE MEDIA MIND THE MEDIA MIND THE MEDIA MIND THE MEDIA MIND THE MEDIA

by LOREN COX

"deep January" (Wallace Stevens)

So we have survived another media perpetuated holiday
Xt.mas
ostensibly a celebration of the birthday of a fellow named J/ Xt.
who reportedly counseled against such an observance
his naitivity seemingly having occurred some 6 years before the beginning
of the Common Era & during a different season
but his early followers in Rome
cleverly appropriated the traditional pagan winter solstace celebration
to popularise their relig/
All of the carols perfunctorily ground off again
("virgin mother" indeed! / or was it a.i. via space aliens?)
in any event a teenage unwed mother, that scourge & blight on the commonweal
according to conservatives
Mark Twain, among others, confused "virgin birth" with the doctrine of "immaculate
conception", evidently seeing something less than immaculate in insemenisation
via coition, whereas the doctrine meant/Mary was born free of sin
cf. "the hex hoax, the original sin racket"
but J. Xt. appears to have been a very fine fellow
who w'd be welcome at my door
and if he were around today
w'd be regarded as utterly disreputable
a threat to the power structure as he was in his own time
a man of the streets and not the temples
unwelcome in the church that bears his name
the arse belching of the pseudopious done in his name
they w'd know his wrath
Falwell & Pat Robertson w'd know his wrath
and he w'd be damned
as a "liberal" a "socialist" a "communist"
as he kicked the asses of the pseudorighteous
and the rich who fear they will never be rich enough
so devise economic policy based on theories that are nothing more
than rationalizations for their greed
(for what else is "conservative" economic theory?)
I say for him fuck you Forbes fils et al
J/ Xt. w'd be an advocate of (gasp! horror!) of "redistribution of wealth"
nor w'd he be seen or heard on the "establishment" media
maybe on Pacifica surely on RFPI
until being such a stirrer of rebellion he c'dn't be ignored
so he w'd have to be imprisoned or killed
as he once was
tho' I c'd never understand how it can be the case
both that he "died for our sins" (as the doctrine has it)
and that he is immortal/being at one with the "father" and the "holy ghost"
(trinitas)
nor was it possible for two weeks to tune in a classical mx station
& not be hit with Handel's MESSIAH
assuredly a great work but not to be played ad nauseum
tho' I am no more pleased than was Handel's contemporary Alexander Pope
with that style of composition/singing in which a word/syllable is prolonged
at such length over a string of notes
that it sounds like the tenor is being jabbed in the ass with a sharp instrument
But one Xt.mas media presentation I do enjoy
is the playing of Dickens' A CHRISTMAS CAROL
with Lionel Barrymore playing Scrooge, a role he obviously enjoyed,
especially the beginning, before Scrooge's reformation, in which he strikes me
as a charming & witty fellow ("there's more gravy than grave about this ghost")
I've thought about doing a sequal to CC in which a disillusioned Scrooge reverts to his
former self, only even "meaner" than before
Perceived as having grown soft after becoming a "good guy", he is screwed

in business deals, he catches his trusted clerk, Bob, dipping into the petty cash, and is set upon, beaten & robbed, by a juvenile gang being led by Tiny Tim / così il mondo*

**Victorian street gangs were hardly products of "misguided liberal social and economic policies" as are, according to conservatives, today's. Remember, also, that poverty exists only because of stupid liberal attempts to alleviate it.*

AND SPEAKING OF (don't make me gag!) liberals, not surprisingly, that militant, hyperbole-spit-spitting, New York Jewish liberal, Carmine, has lost his gig on Cincinnati radio. He was just more than "Porkapolis" could take. Really a shame, because we enjoyed the way Carmine stuck it to the right-wingers and bigots that abound in this area, altho' his zeal at times did exceed the bounds of prudence (but why be prudent when you're right?). His admitted hyperbole in attacking certain Republicans/conservatives was no doubt misunderstood, but exaggeration can be necessary to make a point. The religious right, militia nuts, KKK types, were all in the line of his verbal fire. Yes, Carmine hated, but meaningful hatred can only be the other face of compassion, and Carmine had plenty for society's less fortunate. His opening monologues, really the best part of his programs, were often poetry. He did elicit intelligent/thoughtful callers, but also a quantity of "double-digits", who let the slime in their minds pour forth. Carmine first lost his Sunday night gig on "The Big One" (WLW - 700), being replaced by ESPN Radio with all of that inspiring jock talk. And so far as we can tell he has lost his weeknight gig on WCKY (550), tho' the station is now usually lost in QRM during the hours he was on, evidently being replaced by financial advisor Bruce Williams (money being more interesting/important to the residents of Porkapolis than a voice for the furtherance of humane values). And when Cincinnati and environs have a self-proclaimed "great American" like Bill Cunningham to listen to, they sure to hell don't need the likes of a Carmine to tell 'em what they are. Speaking of Cincinnati radio, we note that WNOP (740-D) has gone back to their all jazz format for which they were long known (had been carrying CNN radio). WNOP, in its glory days in the 1960s and into the 1970s, was unquestionably the most entertaining radio station we ever had the good fortune to listen to. Had great DJs like Leo ("Undies") Underhill and Ray Scott spinning the jazz and comedy records, and that unforgettable Saturday afternoon show with comedian/comedy writer Jack Clements abetted by Underhill. The DJs' use of "one liners" on tape carts lifted from comedy albums and other sources were used to hilarious effect. The station of those days was described by Cincinnati radio columnist Magee Adams as "the playpen of the beard and sandal set". The music is good on WNOP again, but the old personalities that made the station such a delight are all gone. Also, reception isn't as good as it was back then; evidently the transmitter has been relocated or the propagation pattern changed. Jack Clements, like Carmine, was too much for the Cincinnati audience, and was forced from the WNOP airwaves. But he was indeed a "beautiful boy", as Maude Frikkert would say. WNOP would sign off with Maude crying at her nephew's funeral. Interestingly, as funny and even as outrageous as the old WNOP was, there was never anything "off-colour", none of this "shock-jock" stuff that goes on with Stern et al.

BELGRADE IS BACK - that is, Belgrade TV and Radio, after an absence of some time, are back on the PanAmSat 1 satellite, 11.750 GHz (PAS-1 is at 45.1 deg. West). TV audio is on the 6.2 MHz subcarrier and Belgrade Radio is on the 6.8 MHz subcarrier. NHK, with occasional feeds from Paris, is to be found PAS-1, 11.918 GHz. FUJI TV, Paris, are using PAS-1, 11. GHz for a feed of BBC WORLD TV news, followed by business news, at 13:00 UTC. This transmission, which is up Monday - Thursday, usually begins at about 12:50 with the final portion of the program on at that time, followed by tantalizing program previews: programs we are not permitted to see because there is no North American distribution of them, no deal having been worked out between Cable or a DBS service. If BBC WORLD TV should become available via the latter, we would be strongly tempted to purchase.

Interesting musical programming on both Belgarde TV & radio. Actually we haven't yet checked at 00:00 UTC to see if TV news in English is still on at that time as it formerly was.

The ORION satellite at 37.6 deg. West carries mostly digital/data traffic, but CNN are using it for feeds from Bosnia, giving us a nice window on activities there (plus some of the usual amusing off-air chatter from the reporters). ORION has both horizontally & vertically polarised transponders, CNN on a V one. ASIA NET, with programming from South Asia, is to be found on Orion at 12.090 GHz (H). This transmission, in the PAL format, is evidently intended for reception in Great Britain, as UK addresses and telephone numbers are given during the commercials. Reception is a bit weak (on our 1.2 m. Ku band "dish"), indicating we're out of the intended "footprint" (the CNN feed, by contrast, is excellent). We have also observed BBC TV feeds from Bosnia on ORION going back to London.

(Incidentially, if we haven't mentioned it before, we now have a multistandard TV set/monitor [NTSC/PAL/SECAM]: actually it was given to us. Great to be able to see PAL xmsns in colour. Unfortunately, the BBC TV "Nine O'Clock News", which was up in that mode for some time on SBS-6, and for which this set would have been most useful, disappeared just before we got it.

ORION is the most easternly satellite we can receive. We would like to get over to Hispasat and Intelsat K (for DW TV & Radio & SRI), but that will require a different mounting of the "dish" mover.

THERE HAS BEEN A GAP of days of over three months since the two preceding pages were written / it is now mid April of our media year as we are on the threshold of a new media century where the computer will be the center of your apprehending life, comprising your mind, your means of thought and perception, your instrument of interaction with the world (which shall be the world - reality - as the computer has transformed it), your "essence" no longer what in religious terms has been called a "soul" but the computer program that shall comprise you, BE YOU, in a world not of sentient beings but of interfacings. The very earliest stage in human evolution toward a non-biological existence. And man and "media" shall be one.

But I am already only "media"
for a reader of these words upon this page, at the moment of "interfacing" with a reader have no existence other than these words upon these pages

But the words that I was on the page previous to this one requires some updating :

Belgrade TV & Radio disappeared from PanAmSat One by the end of February, but on Orion at 37.6 deg. West, 11.855 GHz Horizontal polarisation, we have observed a billboard with this announcement: SERBIAN SATELLITE TV ORIGINATING FROM BOSNIA FOR SUBSCRIPTIONS CALL 1-800-555-6184 PROGRAMS START APRIL 24, 1996. Obviously will be scrambled since they're selling subscriptions. Belgrade TV was always "in the clear" and had a news broadcast in English. Speaking of Orion (a Ku Band only bird), CNN continue to use it for feeds from Bosnia and London, however ASIA NET has gone away. It seems that a dealer in the U.S. had enquired about the feed, presumably intending to sell equipment for reception of it in this country, with the result that it forthwith disappeared. Evidently the transmission was intended for reception only in Europe, and through a technical mistake was on a beam that was reaching the eastern U.S. (was not as strong as other Orion transmissions, but watchable). The BBC WORLD TV news on PanAmSat One is now up at 16:00 UTC // Galaxy 4, Ch. 5 (C Band). Still being teased with BBC WORLD program promos prior to the news, but still no indication when, if ever, BBC WORLD TV will ever be available in this country. No deals with any Cable or DSS entities still anywhere in the offing. Seems that the BBC most interested in getting into Asia.

But DEUTSCHE WELLE, RTP Portugal and TVE Spain are still providing free satellite TV and radio services for the U.S. And it is the last mentioned of which we'd like to speak: GETTING GREAT RE-RECEPTION of two TVE provided channels from one of the Hiapasat satellites (there are two Hispasats, virtually co-located, one at 30.2 deg. West & one at 30.1 deg. West - not sure which one we're receiving). Been experimenting with a second 1.2 meter "dish", the intention being trying to find Intelsat K (for DW TV & Radio because of tree blockage of the C Band feed on Satcom C4). But thus far we've gotten only over to Hispasat, a Ku Band only bird, used primarily for DSS spot beamed on the Iberian peninsula. But the reception of two channels being beamed over this way is PRISTINE, not even affected by rain fade. One channel is TVE INTERNACIONAL (12.080 GHz) and the other is HISPAVISIÓN (12.020 GHz). The all Spanish language programming is in the NTSC format, the original PAL being converted before uplinking. IF YOU WOULD BE INTERESTED IN TELEVISION DIRECT FROM SPAIN IT CAN BE VERY EASILY ACCOMPLISHED, a "dish" no larger than 1.2 meters being required (possibly a small-one would suffice), but reception west of the Mississippi would not be likely. TVEI presents a variety of programming: news, documentaries, rock concerts, "magazine" type programs, general entertainment programming, while HISP/ programming appears to be mostly movies (many in the "letterbox" format). All of the "foreign language" movies are dubbed in Spanish. TVEI is a 24 hr. per day service while HISP/ hours are limited (haven't checked how long programming is actually up) but the transponder is always lit with a colorful chryon when there is no programming. TV audio is at 6.65 MHz on both channels, which are horizontally polarised. There are also subcarriers on the TVEI transponder, those at 7.38 & 7.56 MHz carrying programming from REE (all Spanish - had hoped the English language programming for N Am. would be there, but that is not the case). On the 6.2 MHz subacrrier we have been hearing the TV audio of the DISCOVERY CHANNEL (presumably European version) in English, with announcements in Portuguese and Spanish. Why this particular audio would be there we have no idea. Transponder power on this satellite must be in the 100 watt range.

A DIGIT TO THE DIGITIZERS: not that we can do anything about it, but we are loosing more and more satellite radiated programming, both radio and television, to this technology. All NPR, PRI and PACIFICA RADIO feeds that had been analog SCPC are now digital, denying us access to much programming we formerly had. Particularly regret loosing our morning boost from the far left provided by Dr. Malveau's program on PACIFICA and the afternoon PACIFICA NEWS. (Despite the "flatness" of most digital audio, engineers love it because of the absence of noise.) There is still some NPR/PRI programming available via satellite on individual public radio stations being uplinked on subcarrier, e.g., Peach State (Georgia) Public Radio (Telstar 401, Ku Ch. 14, 5.40-5.58 MHz), WUSF (Univ. of South Florida) (Satcom C4, Ch. 10, 8.235 MHz) and Nebraska Public Radio (Spacenet 3, Ch. 2 [C Band] 5.76-5.94 MHz). We assume AFRTS (Spacenet 2, Ch. 20 [C BAND], 7.38 MHz) is still carrying "Morning Edition" and "All Things Considered", tho' in the past we have noted deletion of items the Defense Department didn't want service personnel to hear. Actually, as of this moment, one public radio station is on analog SCPC, KUSC in L.A. (Galaxy 4, Ch. 1 [C Band], 1436.00-1435.70 MHz IF). These

stations, like the local public radio stations, carry only some of NPR/PRI programming that is available (and is rather expensive to purchase). (Public radio stations hitting the fund raising bit even harder than ever these days as governmental funding continues to decline, presumably to be ending altogether.) With NPR/PRI going all digital, the PRI feed of the BBCWS that had been analog SCPC, is no longer available, being digital. And we've noted the disappearance of the BBCWS feed for Latin America (with some Spanish language programming), which had been analog SCPC on PanAmSat One; must now be digital. So our only satellite availability of BBCWS now is C-SPAN AUDIO TWO (C3/-7, 5.40 Mhz).

But PBS/PRI are hardly all of the satellite delivered programming/services we're losing to digitization. It it looks like we're going to loose all Canadian radio and television, a number of services already having gone to that format. Will really hate to loose CBC Radio & TV, in some ways the latter even more than the former: no more "Ideas" (except when it may drift in a bit on 740 kHz), no more "Air Farce" (TV or radio), "Double Exposure", "Quirks & Quarks", etc. etc., except as may be provided by RCI (however much longer it may last) on the lower fidelity HF analog medium. This will also mean the loss of TV ONTARIO and its accompanying subcarrier relay of CJRT-FM in Toronto (have already lost ALBERTA ACCESS & accompanying FM station CKUA). (Enjoying CBC Stereo while we still may, at the moment listening to Bob Kerr's selection of classical mx.)

Speaking of TV/radio via satellite from Canada, the trouble plagued Anik satellites have been hit again, this time there having been power problems with Anil E1, which had taken over the traffic that had been on Anik E2 when that satellite was disabled by the loss of its orbit stablization mechanism several years ago, that problem having been overcome with that satellite becoming the home of other services. Evidently a number of transponders were rendered inoperative, with services on that had been on E1 being moved to E2 (including CBC Radio & TV and the few remaining analog SCPC channels). Two of the three hard-core porno channels that had been on E2 were bumped over to functioning transponders on E1. Some occasional video has appeared on Ch. 19.

A popular channel on AE2, NEWFOUNDLAND TV, are exploring the possibility of becoming a subscription service for U.S. & Canadian satellite viewers; have been inviting responses from those who would be willing to subscribe. Their original plans, evidently, were to go straight to digital compression, but don't see how they could then be distributed to U.S. subscribers on an a-la-carte basis, which I gather is what they have in mind, unless it would be via the Digicipher, which is not yet available to the public. Telesat Canada are evidently forcing DC on Canadian broadcasters.

And MUZAK have gone digital, the analog FM^2 transmissions of Satcom K2 having been shut down. This is hardly a loss, tho' I did sometimes listen to the classical mx service on 260 kHz. Last time I looked MUZAK and In-Store audio were still on (FM^2) on Galaxy 4, Tr. 3 (Ku) - a classical mx channel available. Satellite Music Network (for radio stations), that had been on Spacenet 3, Tr 13 (C Band), with several music formats, has also left FM^2 for digital transmission. Some religious broadcasters, USA Network and UPI Radio are still using the FM^2 transponders on S3 (13/17).

It's a bit ironic that with analog SCPC now being abandoned for digital, the best SCPC tuners ever offered to the home satellite user are now being offered. It doesn't seem likely that satellite monitoring hobbyists are going to have equipment available to them whereby they may be able to explore digital audio & TV transmissions as they have the analog ones.

At least we have hundreds of video and audio tapes documenting "the way it was."

WHY DID RADIO in this country become an advertising medium (which led to television being the same thing)? It wasn't anything that was planned; it just happened; tho' it was only one possible use of the new medium, wireless voice and music transmission. Initially radio manufacturers put up radio stations in order, primarily, to sell a product that would have no use were there nothing to listen to on it, thus concerns like Westinghouse, Crosley and General Electric being in the broadcasting business. But American business quickly realized what a great medium for selling their products this new invention, radio, was. The public could be "grabbed" right in their own homes, most effectively if appealing entertainment was wrapped around the sales pitches. So radio stations (and the networks of stations that were formed - so the same program could be heard in all parts of the country) found themselves in the very profitible business of "selling time" to the nation's leading manufacturers and marketers of products who wished to use the medium to sell their multiply of wares to the general public in the most direct and appealing way that had ever been available. In the early days of radio the only ready pool of entertainers that could provide the talent for the advertisers' programs - and generally the programs were the property of the advertisers, not the broadcasters - came from Vaudeville, which had nurtured such comedic greats as Will Rogers, Jack Benny, Eddie Cantor, Burns & Allen, Fred Allen, etc., who went on to careers in radio that eclipsed their vaudeville days. Other entertainers from the concert stage and the theater found themselves on radio doing musical programs and drama. But it was only a short time before aspiring young performing talent was going directly into radio, Orson Wells being one of the most famous of that breed. Some went on to great careers in Hollywood while others, less well known, had long and distinguished careers strictly in radio. And the men who introduced the programs and read the sponsor's sales pitches (commercials), the announcers, were a new sort of performer without which a radio pro-

gram would not be possible, many gaining at least a measure of fame in their own right. Actually radio announcing was regarded by both the networks and sponsors of the programs as very serious business. Their care in pronunciation and enunciation may seem almost amusing today. And so they would realize just how important they were, network announcers, even when working only in a studio (no audience), were required to be dressed formally (tuxedos). The requirements for being a radio announcer: voice, timing and persuasiveness of the gentle and friendly kind. And if anything went wrong in a broadcast, it was up to the announcer to step in and retrieve the situation.

The history of radio up until the post-war years when changes in radio formats began evolving (with the growth of television, radio was at a loss to know what to do to retain an audience), culminating in the single format station concept we have today) was marked by a number of well known announcers such as Harold Arlen of KDKA, who was the first full time practitioner of the craft of radio announcing; Norman Brokenshire; Graham McNamee; Allois Habrilla ("How do you do ladies and gentlemen of the radio audience"); Westbrook Van Voorhis ("Time Marches On"), whom we last heard reading 5 minute newscasts on the Mutual Network in the early 1960s; Jimmy Wallington (long time announcer on the Lowell Thomas news program); Bill Hay (a master of diction who was the announcer on the "Amos 'n' Andy" program in its 15 minute format); Milton J. Cross, the Blue Network announcer who is best known as the announcer from their beginning until his death of the Metropolitan Opera broadcasts, tho' he was the announcer on other programs from the "soap" "Betty and Bob" to the "Chamber Music Society of Lower Basin Street": in our view Cross, who began his broadcasting career at WJZ where the studio was a partitioned off portion of a ladies rest room (his story), was the most accomplished of all radio announcers; Basel Ruysdale; Fred Foy, whose "word picture" narration "made" the "Lone Ranger" program; Ben Grower, the NBC announcer whose many duties included announcing the NBC Symphony under its "eminent maestro, Arturo Toscanini" (David Sarnoff had persuaded Toscanini to come out of retirement to take on the NBC Symphony project - O those glorious Sunday afternoons when we received so much of our musical exposure/education via the New York Philharmonic broadcasts at 2:00 pm on CBS [WHAS] and the NBC Symphony broadcasts at 4:00 pm [WLW]: yes, the music really could be enjoyed despite the 5000 Hz upper limit of frequency response of network broadcast lines; we didn't get to hear Met broadcasts until the local radio station joined the Blue Network in 1944): Ben Grauer ended his broadcasting career at the VOA; Arthur Godfrey (better known as an entertainer/program m.c., but began his career as a straight announcer, getting to say at the end of a program "This is the National Broadcasting Company"; Joy Storm (NBC's top West Coast announcer); Ken Carpenter, the announcer on such programs as "Bing Crosby" and "One Man's Family"; two announcers who worked out of Chicago: Pierre Andre (we remember him on "Little Orphan Annie" proclaiming the virtues of Ovaltine - couldn't stand the stuff) and Franklin McCormick (who every afternoon got to proclaim "Jack Armstrong, the All-American Boy!"); Harry Von Zell, a fine announcer who worked a number of radio's biggest shows but was also known for making some famous fluffs, the best known being "Hibert Heever" - or something of the sort - when introducing the President: we once heard Harry, stepping to a microphone at the opening of a program, exclaim, "The Baby Snooks Snow"; Dick Stark, whose warm informal delivery, was known as the "Dick Stark style"; the Niles brothers, Ken and Wendell; Robert V. (Bob) Brown, who, working in Chicago, was the announcer on such programs as "Vic & Sade" explaining the virtues of Ivory Soap; and there were many more, some just anonymous voices.

In radio today, tho' there is more talk than ever, we don't much have radio announcers in the way that we formerly did as introducers of programs and readers of commercials: we have DJ's and talk show hosts who essentially do it all, and the commercials are usually "canned" instead of being read "live" by the program presenter (an exception is classical mx station WFMT in Chicago, where all commercials are read live, a selling point they make to advertisers). Sometimes radio news commentators in the old days read their own commercials, e.g., Gabriel Heatter, as Paul Harvey does today. (Harvey once had an announcer. His name? Howard E. Bills of ABC, Chicago.)

It wasn't unusual for the announcer to become an integral part of the program itself. That was the case with the announcer on the Jack Benny program, portly Don Wilson, whose size (he really wasn't all that big) made him the butt of jokes.

In television today we still have an announcer functioning exactly as the old radio announcers did as introducers of programs: Don Pardo (his only presence on a program is his voice).

To become an announcer on station WQXR in New York one had to do an audition reading of a script provided by the station. Many failed by saying "doir" for "dour".

Don't know how we strayed into this nostalgia toned subject of old radio announcers when more germane topics like the new Communications Act and its implications should be discussed. We're more than a bit concerned about a single corporate entity being permitted multi ownership of outlets in a single market in the way Jacor Communications controls the Cincinnati radio market. But who more deserves that limited number of channels to present their message than Money & Power. This is a note we have sounded ad nauseum.

And as to New York City's first radio announcer? I read that it was a gentleman named Thomas H. Cowan, Milton Cross, who had made his radio debut as a singer, having been hired as his assiatent.

SPECIAL THANKS to the CHET COPELAND CLIPPING SERVICE for the numerous items on media/communications and other topics. Will try to get into these matters next time.

REVIEW OF INTERNATIONAL BROADCASTING

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WORLD OF RADIO Monitor our weekly half-hour: on WWCR Nashville TN Thu 2030, Fri 2115 on 15685, Fri 2215 9475, Sat 1028 5065, Sun 0300 2390, 0700 3315, 1800 12160, 2130 9475, Mon 1130 & 2030 & Tue 1230 on 15685. On RFPI Costa Rica Fri 20, Sat 04, 11, 18, Sun 02, 09, 23, Mon 07, Tue 19, Wed 03, 10 on some of: 6200, 6205-USB, 7385, 15050-USB, 88.3 FM. World Radio Net Eu Sat 0330 & 1600 UT on Astra 1B Tr 22V, 7.38; NAm Sat 0530 & 1900 UT on Galaxy 5, Tr 6V, 6.8 MHz & live on Streamworks via Internet; on-demand RealAudio. WNQM 1300 TN Sat 2:55 am CT; WPKN 89.5 CT Sat 2:30 pm ET; WSUI 910 IA Sun 10:30 pm CT. Except RFPI, times shift one UT hour later after DST. GH's Spanish DX on RN Radio Enlace Fri 2250, Sat 0050, 0250, Sun 2350, Mon 0350--see "SWL" listings; on WWCR Wed 2100 15685; on RFPI Mon 1530 & Sat 1330 apx.

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